

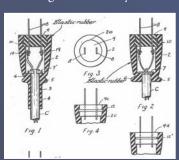
Ericson Manufacturing: The Evolution

The Rubber industry brings Edward Oscar Ericson (founder of



Ericson Manufacturing) to Akron, Ohio where his awareness of worksite safety hazards brought forth inspiration to develop products for a safer workplace.

Ericson's invention of the first "Dead-Front, Back-Wired" electrical plug revolutionizes the wiring device industry.



With Edward Oscar Ericson's patent for first Rubber Handlamp awarded in 1918, Ericson Manufacturing Company is officially born. Which also operated under the name of C&E Sales.

Ericson's insulated Handlamp Guard revolutionizes the industry.

The US Navy Department of Engineering standardizes on Ericson rubber handlamp for improved safety performance.

Ericson designs a plug suitable for the needs of Ontario's Hydro Electrical Power Commission Dept. of Engineering establishing international business in Canada.



1936

Patent for first Dead-Front-Back-Wired Plug and Connector awarded, the NEC and OSHA still require its use today.



1939

Introduction of first explosion and vapor proof handlamp.



Ericson Manufacturing is recognized for supplying the Armed Forces with electrical equipment to help win WWII



Cord reels with handlamp accessories introduced



Ericson introduces the first 4-way insulated electrical box.



Ericson introduces new fluorescent inspection lamps.



Ericson's handlamps and wiring devices become yellow... "Yellow for Safety".



Ericson patent of Ground and Continuity Monitor (GCM) Wiring Devices awarded.

Ericson manufacturers the "Go Anywhere" inline and plug style GFCI.

The Oscar is introduced to the market, named after Ericson's founder.



Ericson's patent for the first Voltage Monitor for Ground Fault Circuit Interrupters awarded.

The award winning E-cart™ family of mobile power transformation equipment introduced to the marketplace.



96 years and counting of manufacturing the industries' safest and most reliable temporary power, lighting, and engineered solutions.

<u>Our story</u> is built around you. Our customer. We believe in listening, implementing and adapting to become a customer driven, sales driven, innovative industry leader committed to "exceeding customer expectations."

We are YOUR PARTNER – With on time shipments of 96% or better, ISO Certification of Quality, a helpful technical team, dedication to solve your individual issues, ease of doing business and follow up customer care after the sale...Ericson is and will always be your best choice...

We are FAMILY –Since 1918, The Ericson family continues to bring quality products and the promise of customer satisfaction to a growing customer base. With the flexibility of a mid-sized U.S. company with autonomy to operate in the best manner to satisfy your needs.

We are READY – Our dedication to your satisfaction starts with a "Yes we can..." attitude and the willingness to offer 24/7 Emergency Service to cover your operating hours, not ours. We are ready to ship your product quickly to meet your schedule.

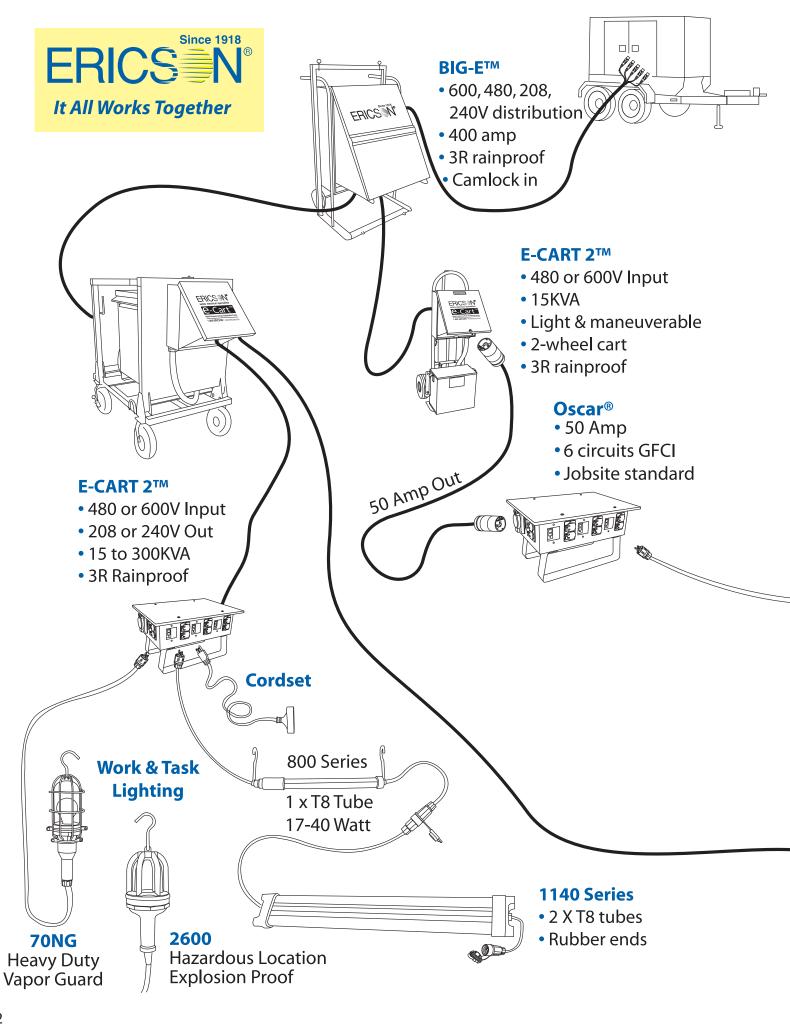
We are INNOVATION – We design and build innovative, safe and cost effective temporary power and lighting systems solutions. Our award winning designs and patents granted through the years are proof positive that Ericson consistently brings innovation to you.

We are QUALITY –We are certified to the latest ISO 9001 certified Quality Standards and are known throughout the industry for manufacturing the highest quality products available. We constantly test and measure the quality of our products to meet or exceed your expectations.

We are SAFETY – Ericson emphasizes 3rd party NRTL Agencies to demonstrate our commitment to safety. UL, ETL, CSA and QPS listings as well as NEC/CEC and OSHA/Workers Compensation Code Compliance are integrated into every design.

We are SOLUTIONS – Our in-house Applications Engineering team is available to assist you in providing design and layout solutions. We have an impressive history of providing solutions with custom applications.





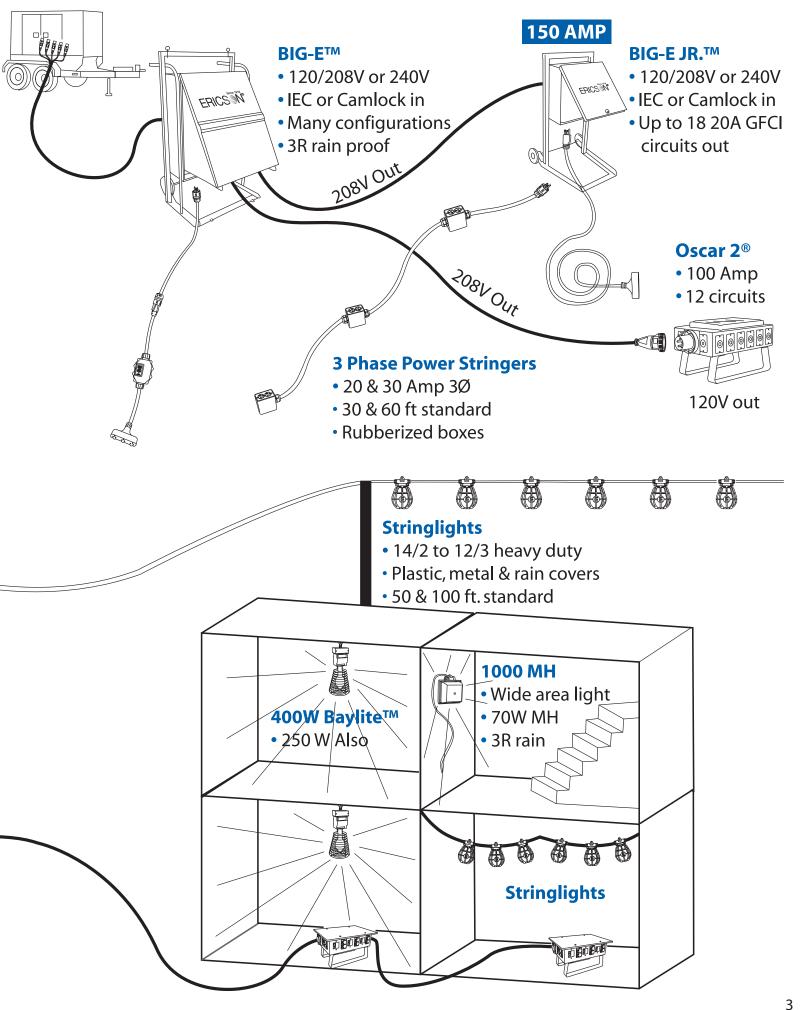


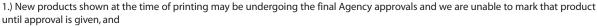
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Looking for us?

At Ericson, we value the listing marks of 3rd party NRTL or International Underwriting Safety Agencies and understand the importance of up-to-date Listing Information to you, our customer. In order to properly keep up-to-date Agency Listing Information available 24/7, we have not placed any listing marks in this printed catalog. Why is this? There are two main reasons:



- 2.) During the life of many products, we seek additional approvals to meet changing market demands. To get the latest agency approval information, please use any of the following steps:
- 1. Contact your local Ericson Rep for a listing lookup
 - 2. Contact Customer Service at 1-800-ERICSON (374-2766) M-F 8-6 EST
 - 3. 24/7 Web Search TO SEARCH A PART SEE THE FULL LISTING ON OUR WEBSITE WWW.ERICSON.COM/AGENCY

What's This



The square barcode you see on certain pages are called 2D or QR barcodes. This latest barcode technology allows the encoding of valuable product information that would be impossible to show in a printed catalog. Examples of this information are product videos, website links and special spec downloads.

How to use these: Use your Smartphone with camera (Android, Blackberry, iPhone) and download any free QR or 2D Barcode scanning application software. They are free downloads and many varieties are available. Start the application and follow the instructions. Normally you hold the camera over the QR code and wait for the smartphone to respond. That's it...easy and enjoy the show.

Origin of Products

Made in the USA - This symbol is shown on products that all or nearly all parts are made and assembled in the USA.

Assembled in the USA - This symbol is shown on products that most of the parts are from US Origin and assembled in the USA.





Small Business CAGE 82832 GSA# GS-07F-0313Y

Wire Mesh **e**-Grips

- Strain relief grips
- Pulling grips
- Support grips

See page 218



All Weather Double Outlet Receptacle with Cover Plates - PWDX

Weather resistant boot seals around plug to provide weather resistant protection*

- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 series FS/FD/FT boxes and any flat panel surface



See page 134

UL Listed SunTower™ Wide Area Lighting

 Suntower: 3 base models to choose from... Single and Dual Lights with winch operations and generator model - Bright as the Sun

See page 106





Clear Perma-Tite® 2 SmartMonitor™ **Water Tight Style Wiring Device**

All Weather - NEMA 6P rated Smart Monitor plug and connector now with an improved clear body to make ground continuity monitoring easy.

See page 124

Heavy Duty Grade W & Y Cordsets

• Provides multiple outlets from a single power source

Available in "Y" and "W" configurations

Manufactured using heavy-duty 600V cord



See page 45

Specialty Use - Boiler Lights

500 Watt "Boiler Inspection" Light – 90 deg and straight tube that fits into a small opening for inspections – can be used in a variety of applications

See page 116



e-Cart Jr.™ **e**-Cart2™

UL Listed e-Cart® Series

- UL Listed to 1640C
- 600 or 480V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer 350kVA transformer
- Output power options: 120Y/208V Combo load center with GFCI with 3ø transformer or 120V/240V circuit breakers with 1ø transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect disconnect, sized per switch

- UL Listed to 1640C
- 480 or 600V, 3ø or 1ø 60Hz power input

- NEMA TYPE 3R main disconnect
- NEMA 3R fused primary transformer

See page 22



MINI-SYNCTM & MICRO-SYNCTM Devices

- NEMA 6P and IP68 protection
- High-impact resistant contact carriers
- Highly accurate machined contacts
- Corrosion resistant gold plated contacts
- Stress and harsh environment resistant

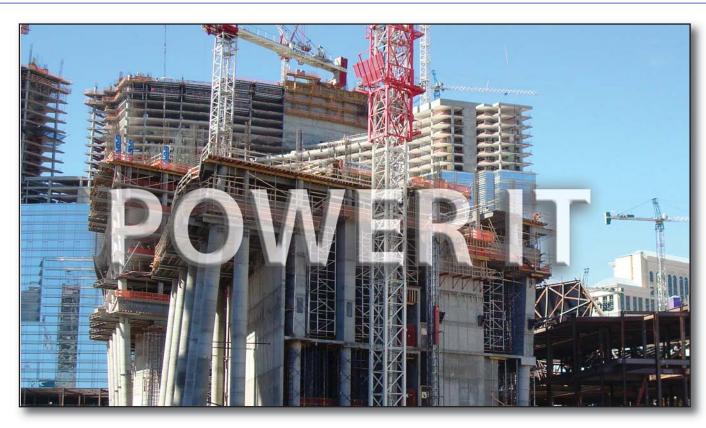
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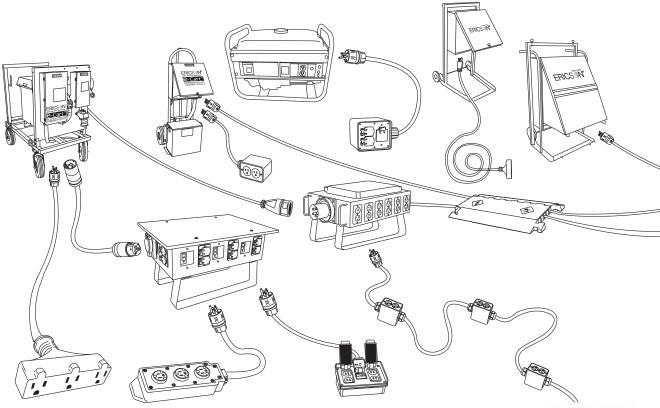












24/7 Emergency Assistance Hotline **1-877-OSCAR99** (672-2799)









Big-E™ PDU

Now available from Ericson...The Big E[™] Series, Mobile Temporary Power Distribution Centers for your jobsite.

The basic construction consists of:

- 600, 480 or 208 or 240 volt power distribution
- All connections and circuit breakers under one NEMA 3R rain proof cover
- Up to 400 Amp
- 3R rainproof tested
- Camlok main power connected or rear panel entry
- Welder power distribution 480V (select models)
- Powder coated for corrosion resistance
- Easy to move and store
- Frames stack & lock together for storage









e-Cart2™ Transformer Based PDU

Now available from Ericson...The e-Cart 2™ Mobile Temporary Power Distribution Centers for your jobsite.

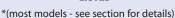
The basic configuration consists of:

- Industrial duty powder coated steel frame with lifting eyes, wheels or stands
- Three phase or single phase NEMA 3R 480V or 600V 60Hz ventilated transformer
- · NEMA 3R load center with GFCI breakers installed, sized per transformer
- NEMA 3R fused primary disconnect, sized per transformer
- EZ to move and store
- Code compliant
- · Patent pending design









e-Cart™ Jr. Transformer Based PDU

Now available from Ericson...The e-Cart Jr.™, Mobile Temporary Power Distribution Centers for your jobsite.

The basic construction consists of:

- 600 or 480V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer
- Output power options: 120Y/208V with 3-phase transformer or 120V/240V with single-phase transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch
- Code compliant









AWARD WINNING





*(some models - see section for details)



Big-E™ Jr. PDU

The Big E Jr. ™, Mobile Temporary **Power Distribution Center**

The basic construction consists of:

- Up to 200 amp
- 120/208V or 240V
- IEC or camlok In
- Up to (18) 20A GFCI circuits out
- Many styles to choose from







Need a custom temporary power or lighting solution? Ericson can design and build a variety of custom application items to meet your needs. The Ericson Team of Sales Application and Engineering Professionals will help determine your requirements and find a solution to your unique application.

We Specialize In:

Temporary Power Distribution

Engineered Solutions

- Temporary Custom Lighting Solutions
- Cordset and Custom Stringlights
- Custom GFCI Solutions

Contact one of our Factory Trained Representatives in your area with your detailed application needs. Current listings can be found on www.ericson.com or call us 1-800-ERICSON

Oscar® Boxes - 1066/1067 Series

Available from Ericson...Oscar® Box Temporary Power Distribution Units. Versatile protection for your jobsite, the Oscar® box is available in many standard GFCI protected configurations or contact the factory for a custom need.



- 50A 240V input
- (8) receptacles out
- Full GFCI compliance

Oscar II PDU

When you need a temporary power distribution box that will meet your requirements, look to the Oscar® 2 Series from Ericson. The flexible design platform of the new Oscar® 2 allows you to configure a Temporary Power Distribution Center that is right for you. The Oscar® 2 Expo Series picks up where the 1066/1067 leaves off.

Typical Applications Include:

- Convention Centers
- Outdoor Events
- Festivals
- · Carnivals, etc.
- Concerts
- Stage & Studio



1068 Series 3 Phase 208V Features:

- Choice of main inlet types IEC309 power-inlet and power-outlet or camlok
- Exclusive IPDM module installed
- GFCI or non-gfci circuit breakers available
- · Receptacles protected by Ericson's FS Series flip seal covers
- Camlok inputs available



6000, 7000 & 8000 Boxes

Rugged and durable, these outlet boxes are engineered to provide protection against electric shock while using portable power cords.



Use instead of all metal boxes



Cordsets

Ericson offers a complete line of high quality jobsite style cordsets for a range of applications. From light tool and generator connection to heavy duty #10/3 size cord, the Ericson line of safety cordsets is the right answer to your power cord needs.

Bonus: Custom factory cord jacket printing available

* not available on some models.





ERICSON MANUFACTURING COMPANY NAM. ERICSON.COM 1-800-ERICSON

Cable Protectors

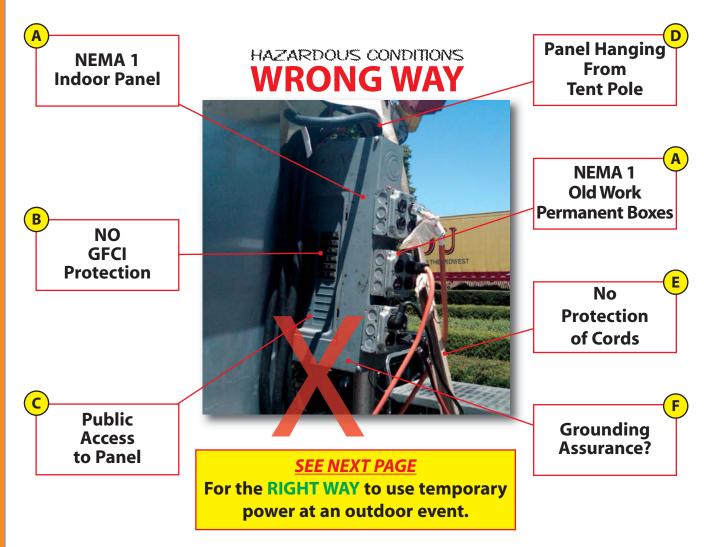
Protect expensive cables from foot-traffic and equipment damage while eliminating tripping hazards caused by cables with Ericson's CP5 Series GP Cable Protectors. Made from rugged, all-weather polyurethane construction known for its resilience, hardness and impact resistance for demanding environments.







Need temporary power at a fair or festival? Plug into Ericson's NEC/CEL & OSHA compliant Power products to avoid accidents and costly fines from code violations.



NEC Codes 2011

A.525.22 (A) "...shall be of weatherproof construction..."

B. 525.23 (A)(2) GFCI Protection is Required "... readily accessible to the general public..."

C. 525.10 (A) "... Equipment shall not be installed... accessible to unqualified persons..."

D. 525.10 (B) "Service equipment shall be mounted on solid backing...protected from weather..."

E. 525.20 (G) "Flexible cords...accessible to the public...shall be arranged to avoid a tripping hazard..."

F. 525.32 Grounding Assurance"...shall be verified each time that portable electrical equipment is connected."

Notes on these NEC codes:

NEMA 1 indoor panels are not suitable for outdoor temp power.

GFCI protection for personnel and the public is a must. Life saving devices.

Electrical service panels and temp power distribution should not be accessible by the public attending the event.

Hanging a panel from a tent pole is a violation. So is using plywood backing as plywood can be water soaked and now conductive.

Flexible power cords at the local fair are everywhere. They should be covered in walk areas (and not with plywood) to prevent the public touching any cord. Nicks and cuts are common with cords and the public touching a live conductor can happen. Or, in the event of rain, puddles can become live with nicked cords and non-weatherproof connectors.

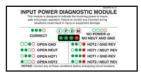
Once the temp power is on, a ground check must be performed. However, if that temp power system is disturbed, it should be rechecked.

Power Smart...Ericson's full line of Temp Power Distribution Panels is the answer to your local Festival or Fair. Contact your local Ericson stocking distributor for assistance in designing your temp power needs.

- Code Compliance for Temp Power
- NEMA 3R Rainproof Design
- Designed for Ease of Use
- Built to Last
- Custom Layouts for Your Power Needs
- Temp Power Cordsets Cord Management

Cart Design Easy to Move **SAFE SOLUTION**

Safety Monitor Device Gives 24/7 Ground Assurance



Camlok Input Connections Reduce Stress on Cord **Connections**

All Connections Under One Rain Cover

Customer Application: Application allows safe routing of cords for the elimination of trip hazards

NEMA 3R Rain Tested Design

Rain Side Flaps Fold in for Easy **Compact Storage**

> **GFCI Protection** is Standard

> > **SEE Our Great Line Up of Temporary Power**



600/120V

400 Amp

Big E Jr.

200 Amp







50 Amp

Oscar®





10/3 or 12/3

Cordsets



Cable Protection

BEI-CAMCL3180 shown

Cable Protectors

Watertight Connections

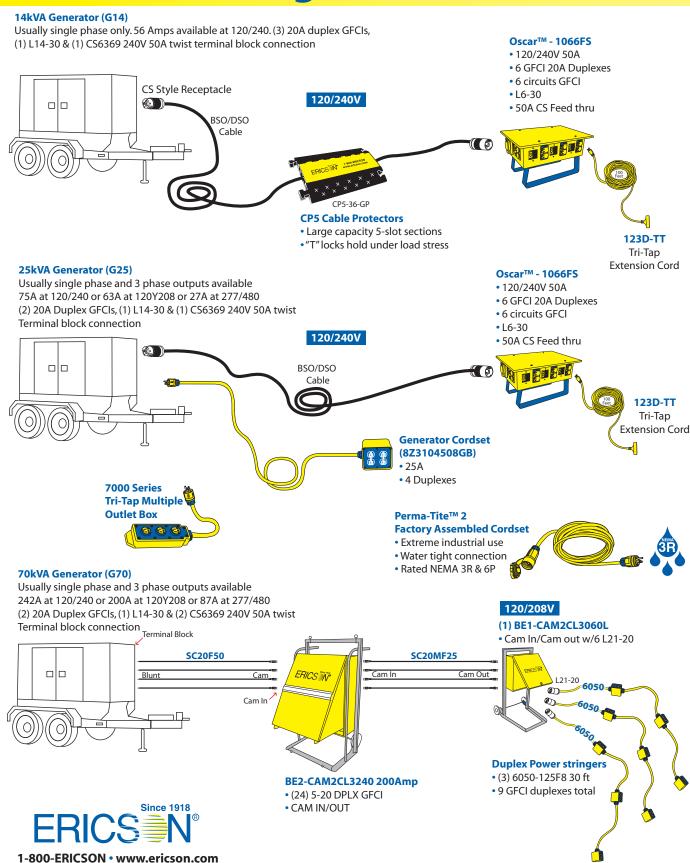


1510-PW6P & 1610-CW6P

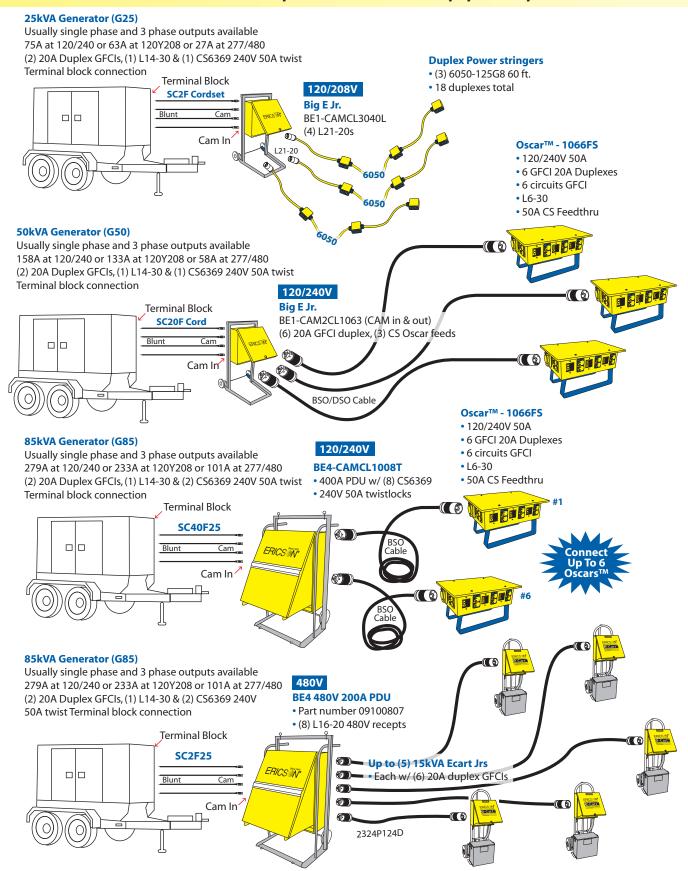




It All Works Together



Generator Capacity & Receptacles are for Estimation Purposes Only. Be Sure to Check Your Specific Unit for Exact Equipment Specs!





Note: Products shown on this page may not be listed.

Now available from Ericson...The Big E ™ Series, Mobile Temporary Power Distribution Centers for your jobsite.

The basic construction consists of:

- 600, 480 V or 120/208V or 240 volt power distribution
- All connections and circuit breakers under one NEMA 3R rain proof cover
- Up to 400 Amp
- 3R rainproof tested
- Camlok main power connected In
- Welder power distribution 480V (select models)
- Powder coated for corrosion resistance
- · Easy to move and store
- Frames stack & lock together for storage









the USA



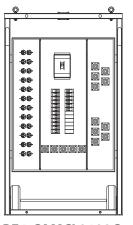
See the Video

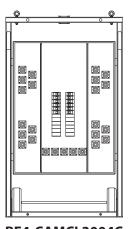
connections

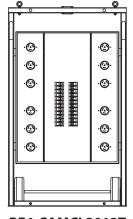
on back

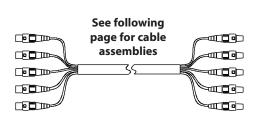
Big-E™

		INP	UT POWER		OUTPUT CONNEC	TIONS
	Voltage	Phase	Inlet Type	Mains Feed Thru	Receptacles Installed	Circuit & Personnel Protection
			CAM SET	CAM SET		
BE4-CAM2CL3062CL	208	3	(5)	(5)	(6) L21-20 & (2 SETS) CAMLOCK	(6) 20A 3P C.B. Non-GFCI
BE4-CAM2CL3122C	208	3	CAM SET (5)	CAM SET (5)	(12) 5-20 DPLX & (2 SETS) CAMLOCK	(12) 20A GFCI C.B.
BE4-CAMCL1008T	240	1	CAM SET (4)		(8) CS6369 "Oscar Feeder"	(8) 50A 2P C.B.
BE4-CAMCL3004C	208	3	CAM SET (5)		(4 SETS) CAMLOCK	(4) 100A 3P C.B.
BE4-CAMCL3062CL	208	3	CAM SET (5)		(6) L21-20 & (2 SETS) CAMLOCK	(6) 20A 3P C.B. Non-GFCI
BE4-CAMCL3122C	208	3	CAM SET (5)		(12) 5-20 DPLX & (2 SETS) CAMLOCK	(12) 20A GFCI C.B.
BE4-480CAM2CL3002C	480	3	CAM SET (4)	CAM SET (4)	(2 SETS) CAMLOCK	480V (4) 100A 3P C.B.
BE4-480CAMCL3004C	480	3	CAM SET (4)		(4 SETS) CAMLOCK	480V (4) 100A 3P C.B.
BE4-480CAMCL3004I	480	3	CAM SET (4)		(4) 100A IEC 4100RA7 Angled	480V (4) 100A 3P C.B.
BE4-600CAM2CL1004C	600	1	CAM SET (4)	CAM SET (4)	(4 SETS) CAMLOCK (1 Phase)	600V (4) 100A 3P C.B.
BE4-600CAM2CL3004C	600	3	CAM SET	CAM SET	(4 SETS) CAMLOCK	600V (4) 100A 3P C.B.
BE4-600CAMCL3004C	600	3	CAM SET (4)		(4 SETS) CAMLOCK	600V (4) 100A 3P C.B.









BE4-CAMCL3122C

BE4-CAMCL3004C

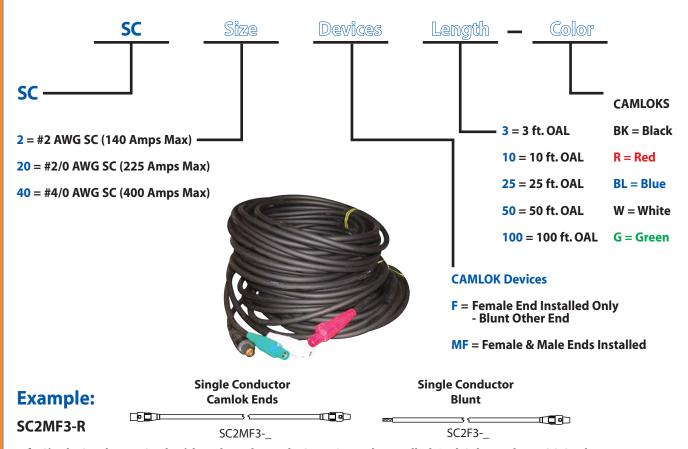
BE4-CAMCL3012T



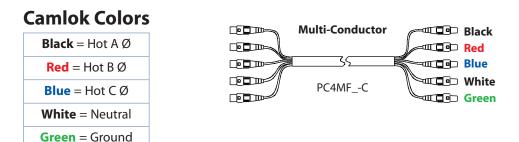




Single Conductor Cable Assemblies



3 ft. Single Conductor Cord, With Male and Female CAMLOK Ends Installed, Red Color Ends, #2 SC Cordage, 190 Amps Max.



	Multiple Conductor Cable Assemblies								
Catalog No.	Plug (male)	Connector (female)	OAL ft	Cord	Amps	Camlok Color Code			
PC4MF25-C			25	#4 W 600V		All - Black, Red,			
PC4MF50-C			50	#4 W 600V	90				
PC4MF100-C	Camlok	Camlok	100	#4 W 600V					
PC2MF25-C	Camiok	Camiok	25	#2 W 600V		Blue, White, Green			
PC2MF50-C			50	#2 W 600V	120				
PC2MF100-C			100	#2 W 600V					



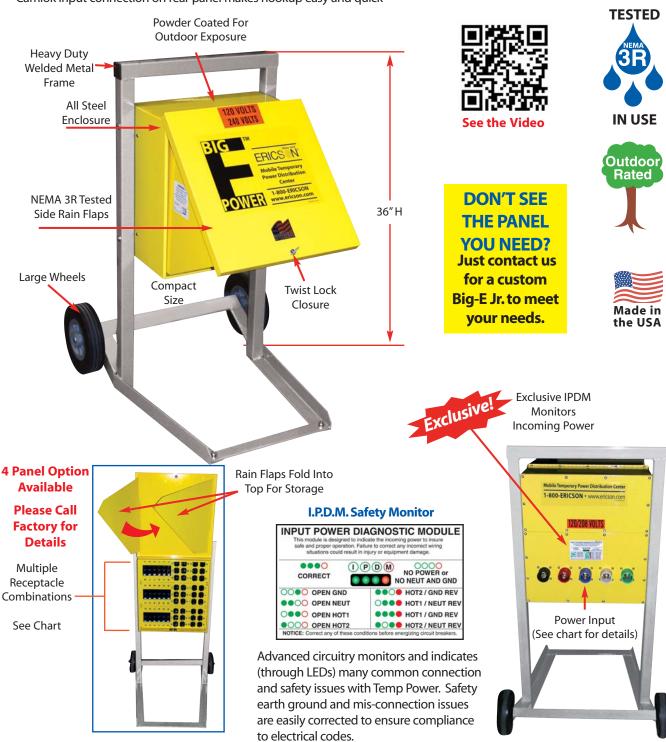
Original Cover for 1990's Literature





Big power in a small compact sized PDU is what the Big-E Jr. is all about. Designed for quick, easy-to-connect, code compliant distribution for indoor or outdoor venues and jobsites, the Big-E Jr. Portable PDU is the choice for your power needs. The award winning Combo Panel design is NEMA 3R In Use Rain rated and withstands heavy and windblown rain environments. With all the configurations of circuits to choose from, you are sure to find the PDU that meets your needs.

- NEMA 3R Rain In Use Rated
- Exclusive Combo Panel Design puts receptacles and breakers under one cover
- No small flip covers to break
- All Steel construction with powder coating inside and out
- Heavy Duty, yet light, steel welded frame lasts event after event
- 24/7 Safety Monitoring with the Exclusive I.P.D.M. module
- Camlok input connection on rear panel makes hookup easy and quick



Big-E™ Jr.

Catalog Number	Voltage	Phase	Male Inlet Type	Female Mains Feed Thru	MCB Installed (See important note below)	Safety Monitor IPDM Installed	Receptacles Installed	Circuit & Personnel Protection
BE1-T50CM1080	240	1	CS6375 Twistlock		YES	YES (4 LED)	(8) NEMA 5-15/20 T Slot GFI DPLX	(8) GFCI DPLX
BE1-T50CM1120	240	1	CS6375 Twistlock		YES	YES (4 LED)	(12) NEMA 5-15/20 T Slot DPLX	(12) GFCI C.B.
BE1-CAMCL1061	240	1	CAM SET (4)		n/r	YES (4 LED)	(6) NEMA 5-15/20 T Slot DPLX (1) CS6369	(6) GFCI C.B. &(1) 50A C.B.
BE1-CAMCL1062	240	1	CAM SET (4)		n/r	YES (4 LED)	(6) NEMA 5-15/20 T Slot DPLX (2)	(6) GFCI C.B. &(2) 50A C.B.
BE1-CAMCL1120	240	1	CAM SET (4)		n/r	YES (4 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAMCL1180	240	1	CAM SET (4)		n/r	YES (4 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.
BE1-CAM2CL1063	240	1	CAM SET (4)	CAM SET (4)	n/r	YES (4 LED)	(6) NEMA 5-15/20 T Slot DPLX (3) CS6369	(6) GFCI C.B.,(3) 50A C.B.
BE1-CAM2CL1120	240	1	CAM SET (4)	CAM SET (4)	n/r	YES (4 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAM2CL1180	240	1	CAM SET (4)	CAM SET (4)	n/r	YES (4 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.
BE1-CAMCL3003	208	3	CAM SET (5)		n/r	YES (5 LED)	(3) CS6369 "Oscar Feeder"	(3) 50A C.B.
BE1-CAMCL3006	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) CS6369 "Oscar Feeder"	(6) 50A C.B.
BE1-CAMCL3040L	208	3	CAM SET (5)		n/r	YES (5 LED)	(4) L21-20	(4) 3P 20A C.B.
BE1-CAMCL3060L	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) L21-20	(6) 3P 20A C.B.
BE1-CAMCL3060TT	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) TT-30	(6) 30A 2P C.B.
BE1-CAMCL3061	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(1) CS6369	(6) GFCI C.B. &(1) 50A C.B.
BE1-CAMCL3062	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(2) CS6369	(6) GFCI C.B. &(2) 50A C.B.
BE1-CAMCL3063	208	3	CAM SET (5)		n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX(3) CS6369	(6) GFCI C.B. &(3) 50A C.B.
BE1-CAMCL3120	208	3	CAM SET (5)		n/r	YES (5 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAMCL3180	208	3	CAM SET (5)		n/r	YES (5 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.
BE1-CAM2CL3006	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) CS6369	(6) 50A C.B.
BE1-CAM2CL3060L	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) L21-20	(6) 3P C.B.
BE1-CAM2CL3060TT	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) TT-30	(6) 30A 2P C.B.
BE1-CAM2CL3063	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(6) NEMA 5-15/20 T Slot DPLX (3) CS6369	(6) GFCI C.B. &(3) 50A C.B.
BE1-CAM2CL3120	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(12) NEMA 5-15/20 T Slot GFI DPLX	(12) GFCI DPLX
BE1-CAM2CL3180	208	3	CAM SET (5)	CAM SET (5)	n/r	YES (5 LED)	(18) NEMA 5-15/20 T Slot DPLX	(18) GFCI C.B.

^{*} MCB = Main Circuit Breaker - n/r = Not Required due to the calculation that the installed number of fully loaded circuits will not overload the incoming power. Protect the PDU upstream at the feeder panel.

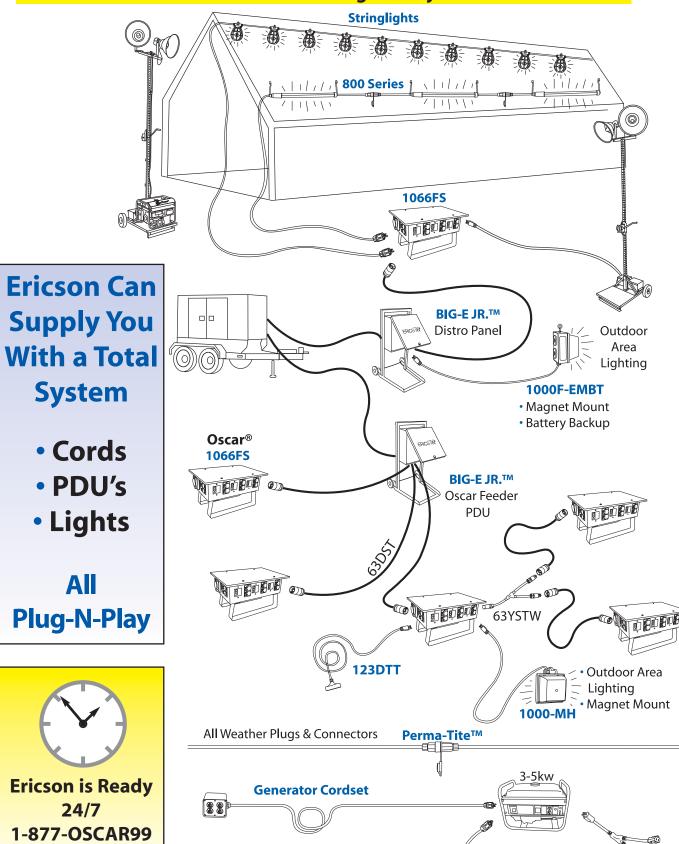
For complete detail drawings see our website







History Teaches That a Lack of Awareness and Preparations are Common Threads Among All Major Disasters



Perma-Link®

123Y

(1-877-672-2799)



- HURRICANES
- TORNADOS
- **FLOODS**
- EARTHQUAKES



Site Planning & 24/7 Service

- 24/7 Hotline service
- Quick response and local support
- We can help you plan and layout your needs
- We are Temp Power and **Lighting Experts**
- On the job since 1918

Big-E™ Jr.



- 200+ Amp Panel
- BIG POWER/compact size
- GFCI protection
- NEMA 3R rainproof tested in use
- Exclusive front cover with folding side flaps design
- Plug-N-Play design
- Exclusive IPDM power indicator
- Wheeled EZ moving frame design
- Many standard models to choose from or custom designs



1066 FS

- NEMA 3R rated for outdoor use
- Each NEMA 5-20 outlet is individually GFCI protected with open neutral protection
- Flip covers protects outlets from damage & the weather.
- Heavy duty powder coated body
- · Flip up door protects circuit breakers from damage & weather
- 50A cordset for Oscar®

Stringlights



- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting
- Easy relamping with nonconductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Many styles to choose from - indoor or outdoor



1000-MH

- 120V/60Hz, 70W metal halide
- UL & cUL listed
- Suitable for wet locations
- Rugged, die-cast aluminum housing
- 6ft.#14/3 oil-resistant cable with
- molded-on 5-15 plug · Heavy-duty magnet provides secure mounting on metal surfaces for
- hands-free operation · Built-in carry handle
- Impact resistant, high-temperature lens with inner surface prisms for optimum light diffusion

Generator GFCI Cordset



- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes
- Heavy Duty Perma-Link™ Plug with rubberized body and nickel plated blades
- Heavy Duty SJ & SO cord
- GFCI Protection GFCI 5-20 Duplexes protecting 5-20 duplex receptacles
- Heavy Duty cord strain relief at box stands up to rough duty
- 2, 25, 50 and 100 ft cord lengths



832 Series

- 32 Watt miser green T8
- OSHA Compliant Meets OSHA regulations for wet locations
- Rated for demanding outdoor and in-plant environments
- Cool, glare-free light
- · Lightweight-Construction with impact resistant tube shield.
- · Ballast in handle, so it's easy to move around the jobsite
- Rubberized non-conductive design

Wiring Devices



- All NEMA types
- · Locking & straight
- Dust tight to 6P submersible
- All weather
- Smart monitor devices
- Solid brass connections
- Award winning designs.





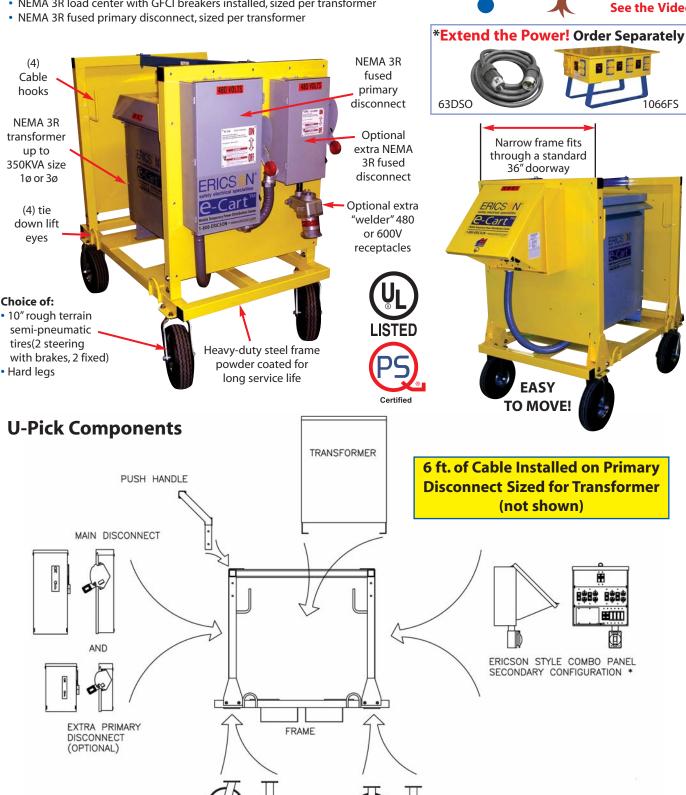




The e-Cart 2™Mobile Temporary Power Distribution Centers for your jobsite.

The basic configuration consists of a:

- · Industrial duty powder coated steel frame with lifting eyes, wheels or stands
- Three phase or single phase NEMA 3R 480V or 600V 60Hz ventilated transformer
- NEMA 3R load center with GFCI breakers installed, sized per transformer



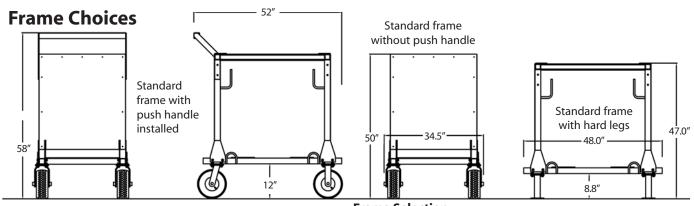
Outdoor

Rated

SEE CHARTS FOR CONFIGURATION DETAILS



WHEELS OR LEGS



*Tall frame

Frame Selection

- **1.** Most configurations require the standard frame.
- **2.** During the quoting process, we will advise you if the taller frame is required.
- **3.** Wheels and legs are easily interchanged on site with simple tools.
- 4. Leg stands can also be bolted down at jobsite.





Leg bottom plate drilled for floor mounting

* Sometimes required for larger panels

10" Semi-pneumatic tires

8"Leg stands

Combo Style Load Center

Features:

- All-In-One design with one NEMA 3R rain proof flip lid
- IN USE NEMA 3R rainproof design
- GFCI circuit breaker adjacent to receptacle
- Duplex receptacles offer more electrical connections for maximum jobsite power
- With or without MCB



1/4 turn latch
Fold down rain side panels



"in-use"

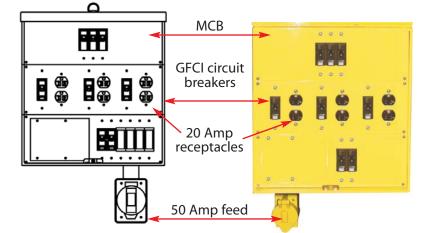
Rainproof

Steel power coated





Ericson Exclusive!





GFCI circuit breaker & duplex

or



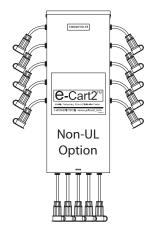
Many combinations available. See charts





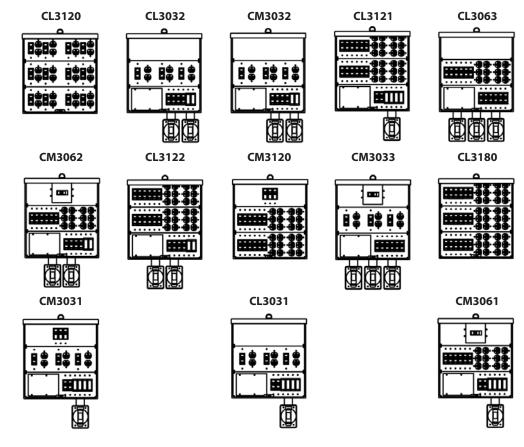


3Ø 120/208V OUT



PANEL & PIGTAILS STYLE

Standard panel with pigtails (cord & connectors or boxes/receptacles) are available upon request. Note: These configurations CANNOT be "Listed" by any NRTL (UL Listed) due to the configuration. Call for more details.

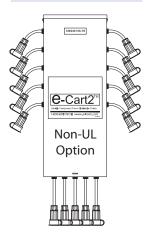


	3 Phase 120/208V Secondary Configuration Selections									
Secondary Output Configuration	Panel or Ericson Combo Enclosure	Secondary Panel Main Circuit Breaker	# of 20 amp 120V Circuits NEMA 5-20R	# of 50 amp Oscar Feed circuits C56369 Twistlock	Sized for Transformer KVA					
CL3120			12 *	0	30 KVA					
CL3031			3 *	1	30 KVA					
CL3180			18 *	0	45 KVA					
CL3121	Combo	No	12 *	1	45 KVA					
CL3032			3 *	2	45 KVA					
CL3122			12 *	2	75 KVA					
CL3063			6 *	3	75 KVA					
CM3120			12 *	0	30 KVA					
CM3031			3 *	1	30 KVA					
CM3061	Combo	Yes	6*	1	45 KVA					
CM3032			3 *	2	45 KVA					
CM3062			6 *	2	75 KVA					

^{*} Duplex 5-20R on combo panels

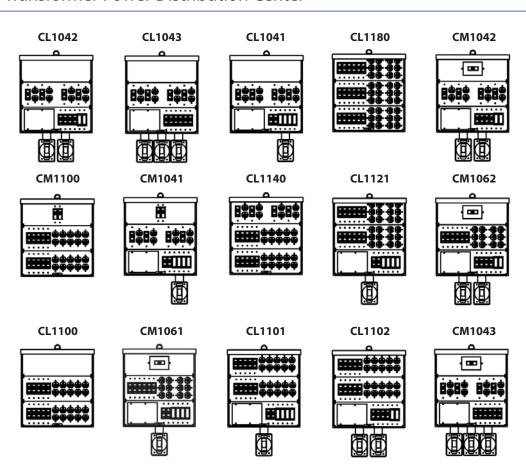


120/240V **OUT**



PANEL & PIGTAILS STYLE

Standard panel with pigtails (cord & connectors or boxes/receptacles) are available upon request. Note: These configurations CANNOT be "Listed" by any NRTL (UL Listed) due to the configuration. Call for more details.



	1 Phase 120/240V Secondary Selections									
Secondary Output Configuration	Panel or Ericson Combo Enclosure	Secondary Main Circuit Breaker	# of 20 amp 120V circuits	# of 50 amp Oscar™ Feed circuits	Sized for Transformer KVA					
CL1100			10	0	25 KVA					
CL1041			4	1	25 KVA					
CL1140			14	0	37.5 KVA					
CL1101			10	1	37.5 KVA					
CL1042	Combo	No	4	2	37.5 KVA					
CL1180			18	0	50 KVA					
CL1121			12	1	50 KVA					
CL1102			10	2	50 KVA					
CL1043				4	3	50 KVA				
CM1100			10	0	25 KVA					
CM1041			4	1	25 KVA					
CM1120			12	0	37.5 KVA					
CM1061	Combo	Yes	6	1	37.5 KVA					
CM1042			4	2	37.5 KVA					
CM1062			6	2	50 KVA					
CM1043			4	3	50 KVA					

4 PANEL ENGINEERED SOLUTION AVAILABLE







Need a custom e-cart2? We can modify our base design and build a custom e-cart2 to your specifications. Provide us with the changes and any customization specs you would like and let us provide you with a solution today! Call us for details and own your own customized quality built e-cart2.

Customizations available:

- Input Primary switchgear
- Output Secondary Panels and receptacles
- Color
- Labeling and Branding
- Much, much, more...

e-Cart 2[™]















Fits Through a Standard 36" Doorway!





How To Order EC2 **Frame** S-Standard H - Hi-boy tall Wheels/Legs S - Solid 10" rubber L-8" leg stands **Push Handle** H - With handle X - No handle (Note: Handle not available on tall frame models) 480V. 30 KVA w/60A Main Disconnect Switch 43030XX **Power** No 480V, 45 KVA w/ 100A Main Disconnect Switch 43045XX 480V Input Extra 480V, 75 KVA w/ 200A Main Disconnect Switch 43075XX **Primary** 480V, 112.5 KVA w/ 200A Main Disconnect Switch 43112XX Disconnect 600V, 30 KVA w/ 60A Main Disconnect Switch 63030XX 600V, 45 KVA w/ 60A Main Disconnect Switch 63045XX **Or Welder** Main 600V, 75 KVA w/ 100A Main Disconnect Switch 63075XX Receptacles **Feed** 600V, 112.5 KVA w/ 200A Main Disconnect Switch 63112XX 480V, 30 KVA w/ 100A Main Disconnect Switch, 30A AUX Switch 43030A3 480V, 30 KVA w/ 100A Main Disconnect Switch, 30A AUX Switch, 30A Welding Recpt 43030W3 480V, 45 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch 43045A3 With 480V, 45 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch 43045A6 480V Extra 480V, 45 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch, 30A Welding Recpt 43045W3 **Primary** 480V, 45 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch, 60A Welding Recpt 43045W6 Disconnect 480V, 75 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch 43075A6 480V, 75 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch, 60A Welding Recpt 43075W6 and/or Phase 600V, 30 KVA w/ 100A Main Disconnect Switch, 30A AUX Switch 63030A3 Welder 4W 600V, 45 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch 63045A3 Receptacles* 600V, 45 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch 63045A6 600V, 75 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch 63075A3 600V, 75 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch 63075A6

Power	No Extra		480V, 25 KVA w/ 100A Main Disconnect Switch	41025XX
		480V	480V, 37.5 KVA w/ 100A Main Disconnect Switch	41037XX
Input	Primary Disconnect		480V, 50 KVA w/ 200A Main Disconnect Switch	41050XX
	or Welder		600V, 25 KVA w/ 60A Main Disconnect Switch	61025XX
Main	Receptacles	600V	600V, 37.5 KVA w/ 100A Main Disconnect Switch	61037XX
Feed	neceptacies		600V, 50 KVA w/ 100 Main Disconnect Switch	61050XX
			480V, 25 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch	41025A3
	With Extra	480V	480V, 37.5 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch	41037A3
	Primary		480V, 37.5 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch	41037A6
	Disconnect		600V, 25 KVA w/ 100A Main Disconnect Switch, 30A AUX Switch	61025A3
			600V, 37.5 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch	61037A3
Phase	and/or Welder	600V	600V, 50 KVA w/ 200A Main Disconnect Switch, 30A AUX Switch	61050A3
3W	Receptacles*		600V, 50 KVA w/ 200A Main Disconnect Switch, 60A AUX Switch	61050A6
300			600V, 50 KVA w/ 200A Main Disconnect Switch, 100A AUX Switch	61050A1

^{*} Requires main circuit breaker in secondary selections.

Secondary Outlet Selection Code

- 6 Digit Code From previous pages
- 3 Phase See previous chart
- 1 Phase See previous chart



Fax This Sheet

1-440-951-1867

or e-mail to: quotes@ericson.com

Delivery Date Required:

Quantity:

Questions? Call Us 1-800-ERICSON (374-2766)

ALL INFORMATION BELOW MUST BE COMPLETE

Name:	Contact Phone:		
Company:			
Job/Project:			
Address:			
City:	State:	Zip:	







The e-Cart Jr.™, Mobile Temporary Power Distribution Centers for your jobsite. The basic construction consists of a:

- 480V or 600V, 3 phase or single phase 60Hz power input
- 15kVA encapsulated transformer
- Output power options: 120Y/208V with 3-phase transformer or 120V/240V with single-phase transformer
- Combo load center with GFCI circuit breakers
- NEMA TYPE 3R main disconnect switch







EXCLUSIVE!

NEMA type 3R Ericson engineered circuit breaker/ receptacle "combo" enclosure panel combines circuit breaker panel with receptacle operation in one heavy duty enclosure with NEMA 3R rainproof "in use" flip top assembly.





Certified



Inside View



Twist lock closure

Rain Guard flaps fold into cover

Heavy-Duty cart with handle for easy maneuvering around job site

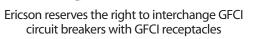
50A Receptacle

NEMA TYPE 3R Fused Safety Disconnect switch

Epoxy encapsulated 15kVA NEMA TYPE 3R transformer

480 or 600V

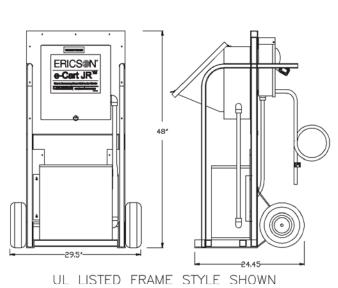
Easy-rolling wheels

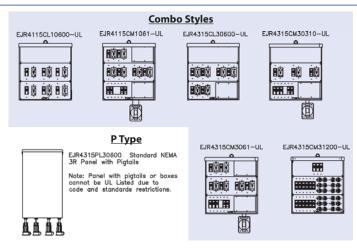












OF 50A C= COMBO **CIRCUITS*** P= PANEL # OF 20A M= SECONDARY PANEL MAIN CB **CIRCUITS** L = SEC MAIN NOT REQUIRED 3 = 208Y/1203PH

1 = 120/240 IPH

(*For Oscar® + power)

480 or 600 Volt**

**change the "4" to "6" in the catalog number for 600 volt input

			INPUT POWER		,	econdary I	nfo	OUTPUT CONNE	CTIONS	
Catalog No.	Voltage IN	Phase	Primary	Transformer Size (kVA)	Secondary Voltage OUT		Panel and Connections Style**	Receptacles Installed	Circuit & Personnel Protection	UL Listed
EJR4115CL10600-UL	480	1	6 ft SOW Blunt	15	120/240	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	YES
EJR4115CM1061-UL	480	1	6 ft SOW Blunt	15	120/240	YES	С	(6)5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	50A ZP C.B (6) 20A STD BRKRS	YES
EJR4315CL30600-UL	480	3	6 ft SOW Blunt	15	120/208Y	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	YES
EJR4315CM30310-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(3) 20A STD BRKRS & (1) 50A 2P C.B.	YES
EJR4315CM3061-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(6) 20A STD BRKRS & (1) 50A 2P C.B.	YES
EJR4315CM31200-UL	480	3	6 ft SOW Blunt	15	120/208Y	YES	С	(12) 5-15/20 T Slot DPLX	(12) 20A GFCI C.B.	YES
EJR4115CL10600	480	1	Hardwire In	15	120/240	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	Mfg*
EJR4115CM1061	480	1	Hardwire In	15	120/240	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	50A ZP C.B (6) 20A STD BRKRS	Mfg*
EJR4115PL10600	480	1	Hardwire In	15	120/240	n/r	Р	(6) 5-15/20R T Slot (1612-CW6P) PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315CL30600	480	3	Hardwire In	15	120/208Y	n/r	С	(6) 5-15/20 T Slot GFCI DPLX	(6) 20A STD BRKRS	Mfg*
EJR4315CM30310	480	3	Hardwire In	15	120/208Y	YES	С	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369	(3) 20A STD BRKRS & (1) 50A 2P C.B.	Mfg*
EJR4315CM3061	480	3	Hardwire In	15	120/208Y	YES	С	(6) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A	(6) 20A STD BRKRS & (1) 50A 2P C.B.	Mfg*
EJR4315CM31200	480	3	Hardwire In	15	120/208Y	YES	С	(12) 5-15/20 T Slot DPLX	(12) 20A GFCI C.B.	Mfg*
EJR4315PL30600	480	3	Hardwire In	15	120/208Y	n/r	Р	(6) 5-15/20R T Slot (1612-CW6P) PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315PL3060L	480	3	Hardwire In	15	120/208Y	n/r	Р	(6) L5-20R LKG PGTLS	(6) 20A GFCI C.B.	Mfg*
EJR4315PM30310	480	3	Hardwire In	15	120/208Y	YES	Р	(3) 5-15/20 T Slot GFCI DPLX & (1) CS6369 50A9	(3) 20A GFCI C.B. & (1) 50A 2P C.B.	Mfg*
EJR4315PM3120	480	3	Hardwire In	15	120/208Y	YES	Р	(12) 5-15/20R T Slot (1612-CW6P) PGTLS	(12) 20A GFCI C.B.	Mfg*
EJR4315PM3120L	480	3	Hardwire In	15	120/208Y	YES	Р	(12) L5-20R LKG PGTLS	(12) 20A GFCI C.B.	Mfg*

^{*}MFG = Assembled from listed or certified components - assembled cart is not listed.







^{**}Panel type: C = Combo, P = Panel

Available from Ericson...Oscar® Box Temporary Power Distribution Units

Versatile protection for your jobsite, the Oscar® box is available in many standard GFCI protected configurations or contact the factory for a custom need.

Typical Applications Include:

- Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- Convention centers to distribute power for exhibitions & maintenance
- Photo studios to distribute power to flash & other photographic equipment



1068 Series 3 Phase 208V PDU Features:

- · Choice of main inlet types IEC309 power-inlet and power-outlet or camlok
- · Exclusive IPDM module installed
- · GFCI or non-gfci circuit breakers available
- · Receptacles protected by Ericson's FS Series flip seal covers
- · Camlok inputs available



1067 Series Deluxe Electronic Industrial PDU Features:

- · CS6375 50Amp, 125/250V power inlet.
- Input power diagnostic module (IPDM), adjacent to power inlet, provides visual indication of supply power status - easy to read chart for quick reference. Standard on all models and field replaceable.
- Exclusive voltage monitor modules (VMM) continuously monitors voltage if supply voltage falls outside of safe operating range VMM disconnects power to GFCIs/outlets.
- · Each NEMA 5-20 outlet is individually GFCI protected.



1067-LC Series Industrial PDU Features:

- CS6375 50Amp, 125/250V power inlet.
- FS series weather-resistant flip seal outlet covers protect each outlet. Use with Ericson's Perma-Tite® plug to provide maximum weather resistance.
- Six(6) NEMA 5-20 (20A,125V) straight blade receptacles with circuit breaker and GFCI protection.
- Each NEMA 5-20 outlet is individually GFCI protected.
- One(1) NEMA L6-30(30A,250V) locking outlet with circuit breaker protection.
- 50A, 125/250V power outlet.
- · Indoor & outdoor models.



1066 Series Basic Contractor PDU Features:

- CS6375 50Amp, 125/250V power inlet.
- Six(6) NEMA 5-20 (20A,125V) straight blade duplex receptacles with circuit breaker and GFCI protection.
- · Each NEMA 5-20 outlet is individually GFCI protected.
- One(1) NEMA L6-30(30A,250V) locking outlet with circuit breaker protection.
- 50A, 125/250V power outlet.
- · Indoor & outdoor models.





Ericson P/N	Electrical Rating	Receptacle Flip Covers	GFCI & C.B. Protected 20A Circuits	NON- GFCI 30A C.B.	GFCI C.B. For 30A Circuit	5-20R Duplexes	L6-30R Single Recpt	5-20R Straight Recpts	L5-20R Recpts (Single)	Daisy Chain Feed Thru Recpt W/ Flip Cover	IPDM module	VMM modules
1066	125/250V 1PH 4W 50A			Ø		6	1			Ø		
1066-B	125/250V 1PH 4W 50A		Ø		V	6	1			Ø		
1066FS	125/250V 1PH 4W 50A		Ø	Ø		6	1			Ø		
1066-BFS	125/250V 1PH 4W 50A	☑	Ø		Ø	6	1			Ø		
1067-LC	125/250V 1PH 4W 50A	☑					1	6		Ø		
1067-ALC	125/250V 1PH 4W 50A	☑		Ø			1		6	Ø		
1067-BLC	125/250V 1PH 4W 50A	✓			V		1	6		Ø		
1067-CLC	125/250V 1PH 4W 50A	✓	✓		Ø		1		6	Ø		
1067- LCNF	125/250V 1PH 4W 50A			Ø			1	6		Ø		
1067- ALCNF	125/250V 1PH 4W 50A			Ø			1		6	Ø		
1067- BLCNF	125/250V 1PH 4W 50A		✓				1	6		Ø		
1067- CLCNF	125/250V 1PH 4W 50A		✓		V		1		6	Ø		
1067	125/250V 1PH 4W 50A	Ø	Ø				1	6		Ø	Ø	Ø
1067-A	125/250V 1PH 4W 50A	☑					1		6	Ø	Ø	
1067-B	125/250V 1PH 4W 50A		Ø		V		1	6		Ø	Ø	Ø
1067-C	125/250V 1PH 4W 50A	Ø	Ø				1		6	Ø	Ø	
3 PHASE							L21-20	5-20	L5-20			
1068	208Y/120V 3PH 5W 60A	Ø	Ø					6		Ø	Ø	
1068-A	208Y/120V 3PH 5W 60A	Ø	Ø						6		Ø	
1068-C	208Y/120V 3PH 5W 125A	Ø	Ø					6		Ø	Ø	
1068-1	208Y/120V 3PH 5W 100A		Ø				2	4		✓	Ø	
1068-1A	100A	Ø	☑				2		4	✓	Ø	
1068-1C	125A	✓	☑					6			Ø	



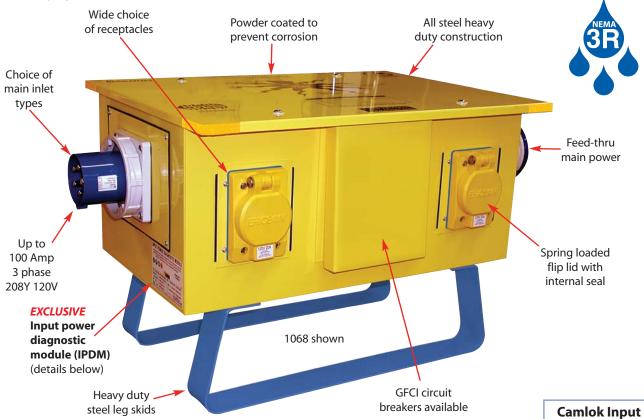




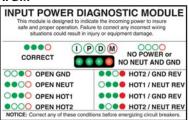
1068 Magnum 3 Phase Oscar Box

eatures:

- IEC309 power-inlet and power-outlet or camlok
- · Receptacles protected by Ericson's FS Series flip seal covers
- Clear polycarbonate window allows visual identification of circuit breaker status



IPDM

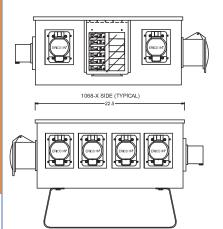


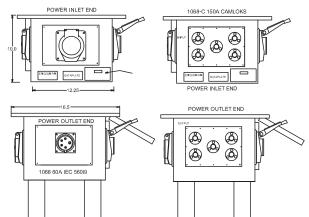
Input power diagnostic module (**IPDM**), adjacent to power inlet, provides visual indication of supply power status - easy to read chart for quick reference. Standard on all models and field replaceable.

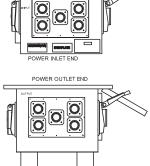


3ØY 120/208 60 & 100 Amp Inlets











Selection Guide

Catalog Number	1068	1068-A	1068-C	1068-1	1068-1A	1068-1C
Electrical Rating	3 Ph 208Y/120 60A	3 Ph 208Y/120 60A	3 Ph 208Y/120 125A	3 Ph 208Y/120 100A	3 Ph 208Y/120 100A	3 Ph 208Y/120 125A
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Special Electronics Features Installed						
IPDM (Input Power Diagnostic Module) 24/7 LED indication of correct MAIN POWER connection	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)	Yes - 1 per box - 5 LED (4 green and 1 Red)		Yes - 1 per box - 5 LED (4 green and 1 Red)
Receptacles						
A Type	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	4	4	6
GFCI Protection	Yes	Yes	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)	Yes - 1P 20A C.B. (1 per Receptacle)
Flip Covers*	Yes	Yes	Yes	Yes	Yes	Yes
В Туре	n/a	n/a	n/a	NEMA L21-20R (208V 3PH 5W 20A)	NEMA L21-20R (208V 3PH 5W 20A)	n/a
Qty.	n/a	n/a	n/a	2	2	n/a
GFCI Protection	n/a	n/a	n/a	No	No	n/a
Overload Protection	n/a	n/a	n/a	Yes - 3P C.B. per circuit	Yes - 3P C.B. per circuit	n/a
Flip Covers*	n/a	n/a	n/a	Yes	Yes	n/a
Main Power Inlet	5W 208V 60A IEC 5 pin 560l9 Configuration	5W 208V 60A IEC 5 pin 560l9 Configuration	CAMLOKS (150 Amp size) 5 color Male L1,L2,L3,N,G	5W 208V 100A IEC 5 pin 5100l9 Configuration	5W 208V 100A IEC 5 pin 5100l9 Configuration	CAMLOKS, LARGE (400 Amp size) 5 color Male L1,L2,L3,N,G
Inlet Flip Cover	No	No	No	No	No	No
Main Power Outlet (Mains Feed Thru)	5W 208V 60A IEC 5 pin 560R9 Configuration	5W 208V 60A IEC 5 pin 560R9 Configuration	CAMLOKS (150 Amp size) 5 color Female L1,L2,L3,N,G	5W 208V 100A IEC 5 pin 5100R9 Configuration	5W 208V 100A IEC 5 pin 5100R9 Configuration	CAMLOKS, LARGE (400 Amp size) 5 color Female L1,L2,L3,N,G
Mains Feed thru Flip Cover	Yes	Yes	Yes - Individual flips per camlok	Yes	Yes	Yes - Individual flips per camlok
Weight (lbs.)	42	42	44	44	44	46
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H	x 16.25"H



Cat. Number	Rating	Length (ft)	Cord Size	Cord Type	Plug	Connector
IEC Style Cordsets						
65BSO 65DSO	60 A	50 100	#6/5	SO	4P 5W 60 Amp IEC 560P9E or equiv	4P 5W 60 Amp IEC 560C9E or equiv
65PGTL-50 65PGTL-100		50 100	#0/3		Blunt - ROJ 8"	
45BSO 45DSO	90 A	50 100		‡4/5 G	4P 5W 100 Amp IEC 5100P9E or equiv	4P 5W 100 Amp IEC 5100C9E or equiv
45PGTL-25 45PGTL-50 45PGTL-100		25 50 100	#4/5		Blunt - ROJ 8"	

Note: #2/5 also available - call for details.







The 1067 Oscar® Box, Temporary Power Distribution Unit for your jobsite.

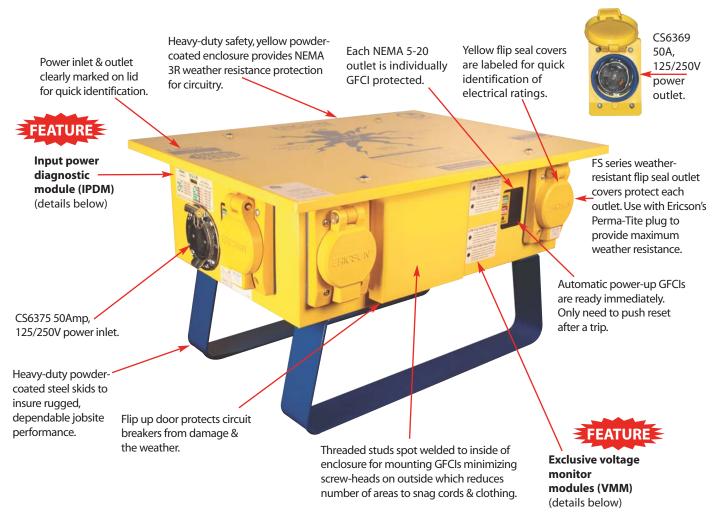
Typical Applications Include:

- · Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- · Temporary power distribution at carnivals, circuses, fairs & similar events
- · Convention centers to distribute power for exhibitions & maintenance
- Photo studios to distribute power to flash & other photographic equipment

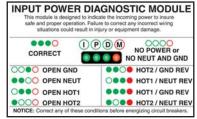




• Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.

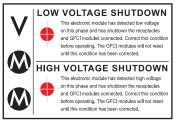


IPDM



Input power diagnostic module (IPDM), adjacent to power inlet, provides visual indication of supply power status - easy to read chart for quick reference. Standard on all models and field replaceable.

VMM



Exclusive voltage monitor modules (VMM) continuously monitors voltage - if supply voltage falls outside of safe operating range VMM disconnects power to GFCIs/outlets.







Selection Guide

Catalog Number	1067	1067-A	1067-B	1067-C
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
	Steel Welded	Steel Welded	Steel Welded	Steel Welded
Enclosure	Powder Coated	Powder Coated	Powder Coated	Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Special Electronics Features Installed				
IPDM (Input Power Diagnostic Module) 24/7 LED indication of correct MAIN POWER connection	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)	Yes - 1 per box - 4 LED (3 green and 1 Red)
VMM (Voltage Monitor Module per phase) Causes GFCI circuits to open if voltage exceeds 150V or below 90V to protect equipment.	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits	Yes - 2 per box (1 per hot line) each VMM controls 3 GFCI circuits
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)			
Flip Covers	No	No	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	No	Yes	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P GFCI
Flip Covers	Yes	Yes	Yes	Yes
Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	Yes	Yes	Yes	Yes
Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (lbs.)	35	35	37	37
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H





Accessories

Cat. Number	Description
63DS0 ⁽¹⁾	Cord set, 100', #6/3 - 8/1 SO 50A 125V/250V
63BS0 ⁽¹⁾	Cord set, 50', #6/3 - 8/1 SO 50A 125V/250V
63YSTW	Cord set, 3 ft. "Y"#6/3 & #8/1 (Gnd) 50A
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

⁽¹⁾ Also available as a secondary cable assembly - cord with connector only - to hard wire into your power source.



See Our Complete Line of 50Amp Power Cords in the Power Cord Section







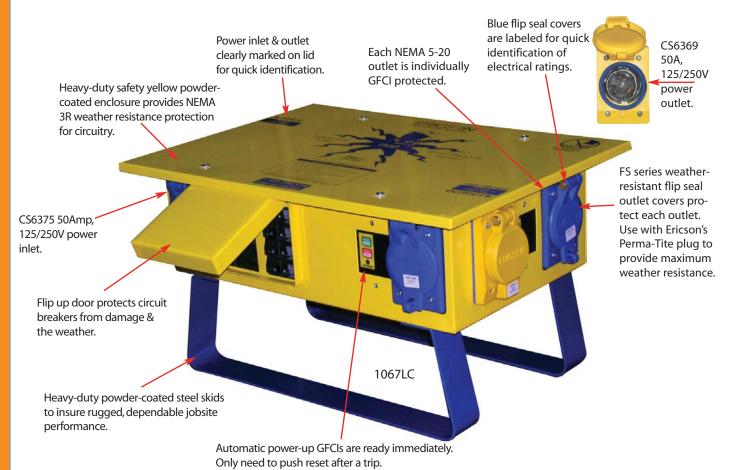
The 1067-LC Oscar® Box, Temporary Power Distribution Unit for your jobsite.

Typical Applications Include:

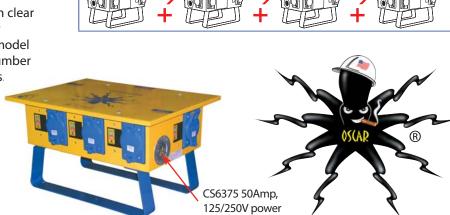
- · Industrial, commercial and residential construction projects
- General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- Convention centers to distribute power for exhibitions & maintenance
- · Photo studios to distribute power to flash & other photographic equipment

Meets OSHA & NEC Codes for jobsites and carnivals, fairs and outdoor events.

· Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.



• Product label with clear markings for easy identification of model number, serial number and specifications.



inlet.

Power Option: Can be daisy chained together!



Selection Guide

Catalog Number	1067-LC*	1067-ALC*	1067-BLC*	1067-CLC*
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)	NEMA 5-20 T Slot Single (125V 20A)	NEMA L5-20 Locking Single (125V 20A)
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Receptacle)			
Flip Covers	Yes	Yes	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	No	Yes	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P GFCI
Flip Covers	Yes	Yes	Yes	Yes
Main Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	Yes	Yes	Yes	Yes
Main Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (lbs.)	35	35	37	37
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H

^{*} NF models are rated for INDOOR ONLY and do not have flip covers installed.

Accessories

Cat. Number	Description
63DS0 ⁽¹⁾	Cord set, 100′, #6/3 - 8/1 SO 50A 125V/250V
63BS0 ⁽¹⁾	Cord set, 50', #6/3 - 8/1 SO 50A 125V/250V
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

⁽¹⁾ Also available as a secondary cable assembly - cord with connector only







SR50

63YSTW

See Our Complete Line of 50Amp Power Cords in the Power Cord Section







⁻ to hard wire into your power source.

The 1066 Oscar® Box, Temporary Power Distribution Unit for your jobsite.

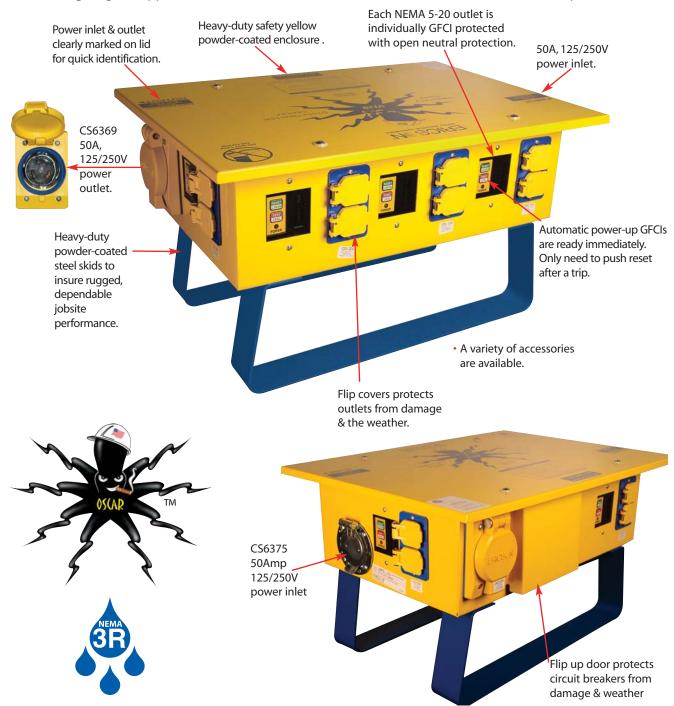
Typical Applications Include:

- Industrial, commercial and residential construction projects
- · General maintenance and repair work (MRO) in industrial facilities
- Temporary power distribution at carnivals, circuses, fairs & similar events
- Convention centers to distribute power for exhibitions & maintenance
- Photo studios to distribute power to flash & other photographic equipment



• Unit is field repairable by qualified personnel. Parts list and wiring diagram appear on underside of lid.

 Product label with clear markings for easy identification of model number, serial number and specifications.



Selection Guide

Catalog Number	1066	1066-B	1066-FS	1066-BFS
Electrical Rating	50A 125/250V	50A 125/250V	50A 125/250V	50A 125/250V
	6250W/12500W	6250W/12500W	6250W/12500W	6250W/12500W
Enclosure	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated	Steel Welded Powder Coated
Environmental/NEMA Rating	Indoor Use Only	Indoor Use Only	Indoor/Outdoor 3R	Indoor/Outdoor 3R
Receptacles				
A Type (6 per box)	NEMA 5-20 T Slot Duplex (125V 20A)			
Qty.	6	6	6	6
GFCI Protection	Yes	Yes	Yes	Yes
Overload Protection	Yes - 1P 20A C.B. (1 per Duplex)			
Flip Covers	No	No	Yes	Yes
B Type (1 Per Box)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)	L6-30 (30A, 250V)
Qty.	1	1	1	1
240V GFCI Protection	No	Yes	No	Yes
Overload Protection	Yes - 2P NON-GFCI	Yes - 2P GFCI	Yes - 2P NON-GFCI	Yes - 2P GFCI
Flip Covers	No	No	Yes	Yes
Main Power Inlet	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)	4W CS6375 (50A,125/250V)
Inlet Flip Cover	No	No	Yes	Yes
Main Power Outlet (Mains Feed Thru)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)	4W CS6369 (50A,125/250V)
Mains Feed thru Flip Cover	Yes	Yes	Yes	Yes
Weight (lbs.)	34	34	36	36
Dimensions	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W	22.5"L x 16.25"W
	x 11.75"H	x 11.75"H	x 11.75"H	x 11.75"H

^{1.} Contact factory for custom assemblies

Accessories

Cat. Number	Description
63DS0 ⁽¹⁾	Cord set, 100', #6/3 - 8/1 SO 50A 125V/250V
63BS0 ⁽¹⁾	Cord set, 50′, #6/3 - 8/1 SO 50A 125V/250V
SR50	Power Outlet Receptacle in weatherproof box with lift cover and 24" leads 50A, 125V/250V

⁽¹⁾ Also available as a secondary cable assembly - cord with connector only - to hard wire into your power source.







63YSTW

See Our Complete Line of 50Amp Power Cords in the Power Cord Section





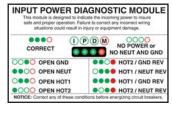
Oscar® 2 - Expo Series Temporary Power Distribution Centers

When you need a temporary power distribution box that will meet your requirements, look to the Oscar® 2 Series from Ericson. The flexible design platform of the new Oscar® 2 allows you to configure a Temporary Power Distribution Center that is right for you. The Oscar® 2 Expo Series picks up where the 1066/1067 leaves off.

Typical Applications Include:

- Convention Centers · Outdoor Events · Festivals · Carnivals, etc. · Concerts · Stage & Studio
- Meets NEC 525 for venue temporary power
- Meets OSHA requirements for public venue power

IPDM



Ericson exclusive IPDM (input power diagnostic module) monitors incoming power & tests for 7 commonly found wiring problems & provides visual Indication of power status with easy to read LEDs Meets NEC Code
For Outdoor
Events

Choice of metal flip top or smoke clear

Outdoor Rated

without entering the panel

Two side panels accommodate a wide range of

removable top enables visual inspection



Other power input options include single-phase and CAM type devices

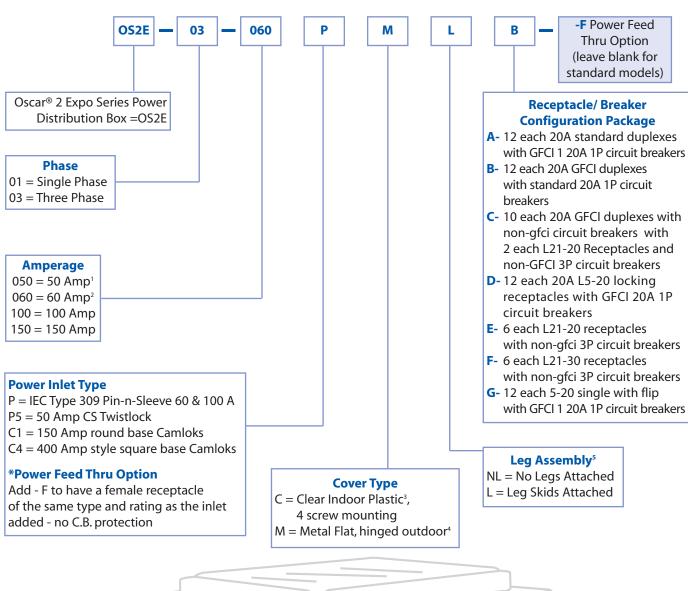
Optional removable leg assemblies enable the panel to be used in a variety of configurations

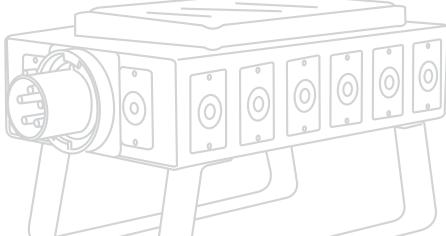




**Main feed thru receptacle is optional and not standard on this series

Oscar® 2 Expo Series Catalog Number Structure





- 1. Selection of 50 Amp is for 1 phase 4W 120/240V feed only. CS6375 Twistlock inlet will be used.
- 2. Selection of 60 Amp is for 3 phase 5W 208/120V feed only. IEC 560B9X inlet will be used.
- 3. Selection of the Indoor Plastic cover will automatically place non-flip cover face covers over the receptacles.
- 4. Selection of the Outdoor Metal Cover will automatically select FS style flip covers with internal plug grip seals.
- 5. Leg assemblies required for all outdoor events per NEC 525.







Military Temporary Power Distribution Center

Ericson's Oscar® 2-Tactical Temporary Power Distribution Center is built to Military Requirements. Based on the award-winning Oscar® box, the Oscar® 2 has been customized to meet the demands of Military personnel. It features a military style Class L Inlet and Feed thru, Ericson exclusive Input Power Diagnostic Module (IPDM) both GFCI and non-GFCI outlets and all steel construction.



Tactical Oscar® 2

- Military style class L inlet & feed through (60 or 100 Amp, 3ph or 1ph)
 - Ground lug for grounding rod use
 - Tactical color schemes (sand or green)
- 2. Outdoor use- wet or dry locations
 - Enclosure rated NEMA Type 3R- rainproof, suitable for use in damp locations
- IPDM indicator lights are recessed for tactical situations



Government Purchase Card

Can Be Purchased with a

Tactical Oscar® (desert) Custom OS2T-SB Sand

Oscar® 2 Tactical Cord Sets Selection Guide

Description	Ratings	Catalog Number
Cordset, Pigtail, 6ft., #6/5		65MIL PGTL
Cordset, 50ft., #6/5	60A, 120/208V-5wire	65BSOM
Cordset, 100ft., #6/5		65DSOM



65DSOM Class L Mil Type



Convenient hinged lid for easy interior access to circuit breakers.

Selection Guide

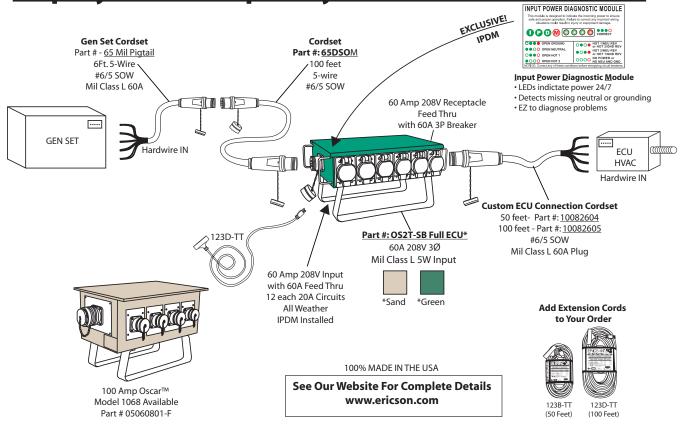
Innut Floatvical Dating	Device ²	Datings	Pro	otection	GFCI	Catalog Number	
Input Electrical Rating ¹	Device	Ratings	Qty.	Overload	GFCI	Catalog Number	
60A, 3-phase, 120/208V	Single Outlet Straight Blade Receptacle	NEMA 5-20, 20A/125V	6	Yes	2 of 6		
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-SB*	
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No	No		
60A, 3-phase, 120/208V	Single Outlet Locking Receptacle	NEMA L5-20, 20A/125V	6	Yes	2 of 6		
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-LK*	
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No	No		
60A, 3-phase, 120/208V	Single Outlet Straight Blade Receptacle	NEMA 5-20, 20A/125V	12	Yes			
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-SB* Full	
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No			
60A, 3-phase, 120/208V	Single Outlet Locking Receptacle	NEMA L5-20, 20A/125V	12	Yes			
AC	Class "L" Inlet	60A, 3-phase Y, 120/208V	1	No	No	OS2T-LK* Full	
5-wire	Class "L" Outlet	60A, 3-phase Y, 120/208V	1	No			



Notes: 1.100 Amp available - Contact factory

^{*} Pick color scheme - green or sand

Deployment Temporary Power Distribution Kit













120 & 240V, 3 & 4 Wire 20 & 30 AMP (L5-20, L5-30, L14-20 & L14-30 Plugs)

Ericson offers these Heavy Duty Emergency Power Cordsets with these features:



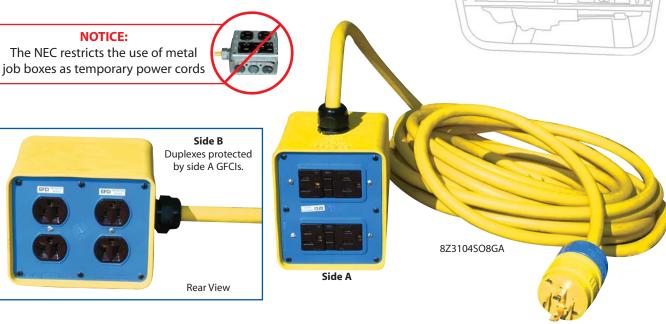
• Heavy Duty Perma-Link™ Plug with rubberized body and nickel plated blades

• Heavy Duty SJ & SO cord for long service life

• GFCI Protection - GFCI 5-20 Duplexes protecting 5-20 duplex receptacles

• Heavy Duty cord strain relief at box stands up to rough duty

 2, 25, 50 and 100 ft cord lengths keeps generator away from family and work area

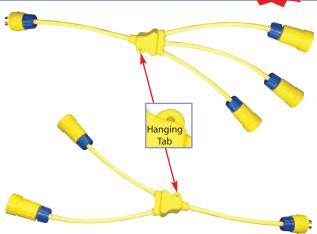


			3 Wiı	re Systems			
Catalog Number	Rating	Plug	Cord Type	Box Config	Length		
8V2123SJB6G2					2		
8V2123SJB6GA	120V 20 AMP	L5-20	#12/3 SJT Black	6000 Box w/ (1) GFCI 5-20 Duplex & (1) Protected 5-20 Duplex	25		
8V2123SJB6GB					50		
8V3103SE6G2					2		
8V3103SE6GA	120V 30 AMP L5-30		120//20 115 20	1.5.20	#10/2 CEO V-II	C000 D-111/(1) CFCLF 20 D-11-10 (1) D-11-1-1-1-1 20 D-11-1-1	25
8V3103SE6GB	120V 30 AMP	120V 30 AIVIP L5-30 #10/3 SEO YE	#10/3 SEO Yellow	6000 Box w/ (1) GFCI 5-20 Duplex & (1) Protected 5-20 Duplex	50		
8V3103SE6GD					100		
			4 Wii	re Systems			
8Z2124SE8G2					2		
8Z2124SE8GA	240V 20 AMP	L14-20	#12/4 SEO Black	8000 Box w/ (2) GFCI 5-20 Duplex & (2) Protected 5-20 Duplex	25		
8Z2124SE8GB					50		
8Z3104SO8G2					2		
8Z3104SO8GA	240V 30 AMP	L14-30	#10/4 SO Yellow	2000 Pay w/ (2) CECLE 20 Duplay 8 (2) Protected 5 20 Duplay	25		
8Z3104SO8GB	240V 30 AIVIP	40V 30 AMP L14-30 #10/4 SO Yellow 8000 Box W/ (2) GFCI 5-20 Duplex & (2) Protected 5-20	8000 Box w/ (2) GFCI 5-20 Duplex & (2) Protected 5-20 Duplex	50			
8Z3104SO8GD					100		



Other configurations available - call for pricing.





Heavy Duty Grade W & Y Cordsets

- Provides multiple outlets from a single power source
- Available in "Y" and "W" configurations
- Manufactured using heavy-duty 600V cord
- Standard models available with 18" primary and secondary
- Available with Ericson's Perma-Link or Perma-Tite plugs and connectors
- · Custom configurations available with your choice of primary length, secondary length and plug/connectors
- Easy to hang hanging loop tab

Z10



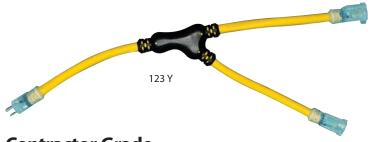
Base	Model
2634	= Y
2636	= W

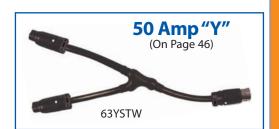
Plug/Conn	Amp	Volts	AWG C	ord Size
			1	2
A = 1510P & 1610-C	15	120	14/3	12/3
B = 1510-PW6P & 1610-CW6P	15	120	14/3	12/3
C = 1520-P & 1620-C	15	120	14/3	12/3
D = 1520-PW6P & 1620-CW6P	15	120	14/3	12/3
E = 2310-P & 2410-C	20	120	12/3	10/3
F = 2310-CW6P & 2410-CW6P	20	120	12/3	10/3
G = 2510-P & 2610-C	30	120	10/3	
H = 2510-PW6P & 2610-CW6P	30	120	10/3	
I = 2320-P & 2420-C	20	120/240	12/4	
J = 2320-PW6P & 2420-CW6P	20	120/240	12/4	
M = L21-20P & L21-20C	20	208	12/5	

Length

Blank = std 3' OAL Zxx = any length up to 100' OAL

SOW, SOOW, SEOW 600V Rated only. New styles shown in RED





Contractor Grade Y& W-Adapter Features 600V STW Cable

Y-Adapter provides two outlets so you can keep two tools plugged in. Made from heavy-duty #12/3 STW yellow cable with molded-on plug, connector & Y/W-junction.

Y & W-Adapter Selection Guide

Catalog	Electrical Ratings						
Number	Length	Gauge	Туре	Amps	Volts	Plug/Connector	Face View
123Y	2'	#12/3	STW	15A	120V	NEMA 5-15 Straight Blade	
123Y-L				20A		NEMA L5-20	









Molded End Cordsets

Ericson offers a complete line of high quality jobsite style cordsets for a range of applications. From light tool and generator connection to heavy duty #10/3 size cord, the Ericson line of safety cordsets is the right answer to your power cord needs. In both straight blade and twistlock version with cord types ranging from #14/3 to #10/3, these cordsets are built to last job after job. Molded and bonded clear connection ends come standard with power on indication* and make inspection easy. Thick outer jacket material from SJTW cordage resists jobsite abrasion and is water resistant. Safety yellow color makes them easy to see on crowded jobs and under low light situations.

Bonus: Custom Factory Cord Jacket Printing Available – See your local Ericson Rep for details on getting your cords marked.

* not available on some models.



L5-20 Also Available

Face View	Single Molded Ends	Length (ft)	Cord Size	Type	Plug	Connector	Amps	Wattage	Volts
	123B	50	#12/3	SJTW	5-15P	5-15C	15	1875	125
	103B	50	#10/3	SJTW	5-15P	5-15C	15	1875	125
	103D	100	#10/3	SJTW	5-15P	5-15C	15	1875	125
	123D	100	#12/3	SJTW	5-15P	5-15C	15	1875	125
	123BL	50	#12/3	SJTW	L5-20P	L5-20C	20	2500	125
(1) (P)	123DL	100	#12/3	SJTW	L5-20P	L5-20C	20	2500	125



Molded Tri-Tap	Length (ft)	Cord Size	Туре	Plug	Connector	Amps	Wattage	Volts
123B-TT	50	#12/3	SJTW	5-15P	5-15C	15	1875	125
123D-TT	100	#12/3	SJTW	5-15P	5-15C	15	1875	125

ERICS#N

ERICSON MANUFACTURING COMPANY WWW.ERICSON.COM 1-800-ERICSON

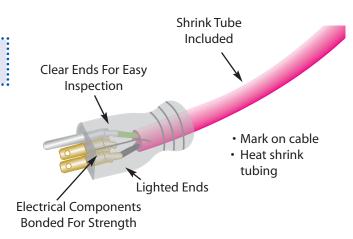
BONUS - CORD PRINTING AVAILABLE

See Your Local Ericson Representative For Details.

SUPERIOR RUBBER OUTDOOR CORD WITH MAXIMUM LOW TEMPERATURE FLEXIBILITY.







FI	EATURES
Flexible Cord	Made with a special 12/3 SJOW cord; Hog Hide's™ superior rubber technology allows cord to stay flexible in tough conditions.
Molecularly Bonded Cap & Connector	Hog Hide™ cord features heat bonded plug and connector ends with a built in strain relief for extra strength which prevents cord pull out.
Shocking Pink Color	Highly visible bright pink color helps reduce theft while increasing visibility.
Identification System	Permanently mark your Hog Hide™ cord with your name, reduces theft.
Limited Lifetime Warranty	Hog Hide™ cordsets satisfaction guaranteed!
Specifications	Hog Hide™ is RoHS compliant, UL Listed and meets all appropriate OSHA requirements.
Extras	Plug & Connectors lights up to indicate power is on.

Catalog Electrical Ratings						Ratings	
Number	Length	Gauge	uge Type Amps Volts Plug/Connector		Face View		
123B-H	50′	#12/2	SJOW	15A	120V	NEMA 5-15 Plug/Connector	
123D-H	100′	#12/3	SJOW	ISA	1200	NEMA 5-15 Plug/Connector	









Face

View



5-20

6-15

6-20

15-15

L6-15

L7-15

L5-20

L6-20

L7-20

Non-NEMA

Non-NEMA

Non-NEMA

L14-20

L15-20

L16-20

L5-30

L6-30

L7-30

Non-NEMA

L14-30

L15-30

L16-30

L17-30

L18-30

Non-NEMA

20

15

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15

15

15

20

20

20

20

20

10

15A

20

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20

30

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30

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30

30

30



Extreme Industrial

Factory Assembled Cord Sets

- Factory assembled to meet the most demanding industrial and construction applications
- Available with Ericson's Perma-Link®, Perma-Grip™ or Perma-Tite™ plugs and connectors
- Manufactured using heavy-duty SOW cord for maximum durability and longevity
- High visibility dual color safety system, Brilliant Blue and Radiant Yellow

	1510	J L	P	143
NEN	g/Conne MA Desig ect part o	nator ¹		
NEMA	Electri	cal Ratings	Plugs/Connectors	
Configuration	Amps	Volts	Code	
5-15	15	125	1510	

1516

1520

1522

1524

2310

2312

2314

2316

2317

1507

2320

2322

2324

2510

2512

2514

2516

2520

2522

2524

2526

2530

2528

125

250

250

125

250

277

125

250

277

125/250

205

600 125V

250V

125/250

250,3Ø

480,3Ø

125

250

277

125/250

125/250,3Ø

250,3Ø

480, 3Ø

600,3Ø

120/208 3Ø wye

120/208 3Ø wye

Connectors Code		1 1
1510		1
1512		1
1514		1

(Use for numerical length only when Z code is used) Length

A = 25 ft. OAL

ord Size¹ $\mathbf{B} = 50 \text{ ft. OAL}$ 103 = 10/3 SOW**D** = 100 ft. OAL

104 = 10/4 SOW $\mathbf{Z} = Custom^1$ **23** = 12/3 SOW

24 = 12/4 SOW

43 = 14/3 SOW

163 = 16/3 SOW

OAL = Overall length

Overall Environmental Grade

(based on plug/connector style)

= Industrial Light

PG = Industrial Medium

= Extreme Industrial Water Tight Ends





(P) Perma-Link™ Cord Clamp **Style Features:**

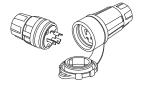
- · Internal cord seal
- Dual screw self-centering clamp





(PG) Perma-Grip™ Cord Grip **Nut Style Features:**

- Nickel plated solid brass blades
- · Super sealing cord grip nut design



(PW6P) Perma-Tite2™ All Weather **Cord Grip Nut Style features:**

- All weather NEMA 6P rated
- Super sealing rings
- Connector includes cover

Cordsets with Smart Monitor Devices are shown on 125

Note: Some of the plug/connector amp ratings to cord size configurations are not recommended due to basic electrical safety rules. Customers are responsible for checking local codes and proper usage of any factory built cordset.



50 Amp Cordsets

Ericson's complete line of 50 Amp cordsets for use with Oscar Temporary Power Distribution Centers are the best built in the industry. Assembled in the USA with high standards to produce the best cordsets available. Call for custom lengths. Minimum order size required.

- For use with Oscar Series 1066 and 1067
- Can connect e-Cart Jr and e-Cart2 Series to Oscars

- Available in SOW cord types
- 50 Amp "Y" available



63YSTW







63PGTLSO-50

Cat. Number	Rating	Length (ft)	Cord Size	Cord Type	Plug	Connector	
63ASO		25			Twistlock 50 Amp CS6365-P or equiv		
63BSO		50		SOW	Twistlock 50 Amp CS6365-P or equiv		
63DSO		100			Twistlock 50 Amp CS6365-P or equiv	Trainte de 50 Agent CCC2CA Companying	
63PGTLSO	50 A	6	#6/3 & #8/1 (Gnd)	SOW	Blunt - 12" ROJ - 1" Tin	Twistlock 50 Amp CS6364-C or equiv	
63PGTLSO-50		50		STW (Blunt - 12" ROJ - 1" Tin		
63PGTLSO-100		100			Blunt - 12" ROJ - 1" Tin		
63YSTW		3 ft "Y"			(1) Twistlock 50 Amp CS6365-P or equiv	(2 each) Twistlock 50 Amp CS6364-C or equi	

60 & 100 Amp Cordsets

Ericson manufactured cordsets are built to the highest quality standards for durability and long service. Our cordsets use the best plugs and connectors possible and are constructed to meet the high demands of industrial and military environments.

- Extra Hard Usage SOW cord
- Highest quality Internationally rated IEC plugs and Connectors
- Military cordsets use exact match Military plug-n-play Class L wiring devices
- Pigtail cordsets allow for hard wiring into panels with tinned ends
- For use with Oscar® 1068, Oscar® 2 and Tactical Oscar® Military Style distribution centers



	Cat. Number IEC Style Cordsets*	Rating	Length (ft)	Cord Size	Cord Type	Plug	Connector
	65BSO 65DSO 65PGTL-50	60 A	50 100 50	#6/5	sow	4P 5W 60 Amp IEC 560P9E or equiv 4P 5W 60 Amp IEC 560P9E or equiv Blunt - ROJ 12"	4P 5W 60 Amp IEC 560C9E or equiv
Millian Style Saude	65PGTL-100 45BSO 45DSO 45PGTL-25 45PGTL-50 45PGTL-100	90 A	100 50 100 25 50 100	#4/5	W	Blunt - ROJ 12" 4P 5W 100 Amp IEC 5100P9E or equiv 4P 5W 100 Amp IEC 5100P9E or equiv Blunt - ROJ 12" Blunt - ROJ 12" Blunt - ROJ 12"	4P 5W 100 Amp IEC 5100C9E or equiv
Military Style Cordse	ets						
	65BSOM 65DSOM 65MIL PIGTAIL 65MIL PGTL-50 65MIL PGTL-100	60 A	50 100 6 50 100	#6/5	sow	4P 5W 60 Amp Military Class L or equiv 4P 5W 60 Amp Military Class L or equiv Blunt - ROJ 12" - Tinned 1" each Blunt - ROJ 12" - Tinned 1" each Blunt - ROJ 12" - Tinned 1" each	4P 5W 60 Amp Military Class L or equiv
6	45BSOM 45DSOM 45BSOMPGTL 45MIL PGTL-50 45MIL PGTL-100	100 A	50 100 10 50 100	#2/4 with Ground	W	4P 5W 100 Amp Military Class L or equiv 4P 5W 100 Amp Military Class L or equiv Blunt - ROJ 12" - Tinned 1" each Blunt - ROJ 12" - Tinned 1" each Blunt - ROJ 12" - Tinned 1" each	4P 5W 100 Amp Military Class L or equiv

^{*}Note: #2/5 cordsets available - call for details.







FEATURES:

- Non-conductive shock barrier protection
- Rounded dividers protect cables from snags and tears
- T-style connector interlocks for secure operation
- Hinged lid for easy cable loading
- Rugged, all-weather polyurethane construction
- Tread plate surface for increased traction
- Clearly identifiable molded safety warning symbols
- Tapered end caps provide gradual egress
- Compact design for easy handling and storage
- Meets NEC & OSHA requirements
- 21,000 lbs/axle (10,500 lbs/tire) Load capacity
- Large capacity (1.3 inch) 5-slot linear sections

Ericson's TuffTraxx™ Series of Cable Protectors deliver unmatched security and protection against cable and hose damage. Easy to install and reconfigure, the non-metallic TuffTraxx™ Series shields interconnect cabling from harmful equipment traffic, thus minimizing expensive down-time and repairs.

Protecting pedestrian traffic from dangerous trip hazards, whether at the work site or during public events, has never been easier than with this safe and affordable solution. Constructed from durable polyurethane and tested to rigorous quality and operational standards, these products are designed to withstand years of punishing service without compromised performance.

Featuring a compact, flexible design that is easy to setup and transport, TuffTraxx™ are ideal for a wide range of applications including:

- Oil / Gas Exploration
- Digital / Communications
- Mining Operations
- Oil / Gas Refineries
- Defense / Safety
- Carnivals and Fairs
- Construction
- Utility Maintenance
- Rental Services
- Entertainment Venues
- Sporting Events
- Transportation

Material:

UV Stabilized Polyurethane

Hinge Pin Material:

Reinforced Fiberglass

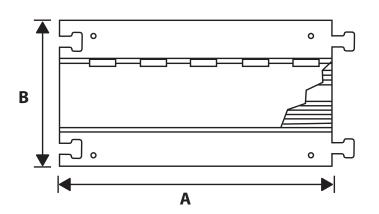
Operating Temperature Range:

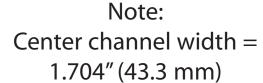
-40 °F to +120 °F (-40 °C to +49 °C)

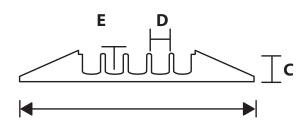
Maximum Load per Tire:

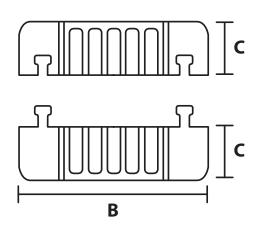
10,500 lbs. At 70 °F (4,763 kg. At 21 °C):

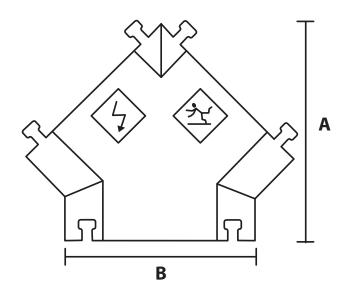
For straight section











Catalog Number	Description	A-Length	B-Width	C-Height	D-Channel Ht.	E-Channel Ht.	Weight
CP5-36-GP	5-slot, 36" straight section	36" (914.4 mm)	17.25" (438.2 mm)	1.95" (50 mm)	1.3" (33 mm)	1.3" (33 mm)	22 lbs. (9.97903 kg)
CP5-45Y-GP	5-Channel "Y"-Adapter	19.75 <i>"</i> (501.7 mm)	17.25 " (438.2 mm)	1.95" (50 mm)	1.3" (33 mm)	1.3" (33 mm)	9.4 lbs. (4.3 g)
CP5-ECP-GP	5-Channel End Caps	4.75" (120.7 mm)	17.25" (438.2 mm)	1.95" (50 mm)	1.3" (33 mm)	1.3" (33 mm)	5.4 lbs. (2.4 kg)





6000 Series Portable Outlet Boxes

- Rugged and durable, these outlet boxes are engineered to provide protection against electric shock while using portable power cords
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- High-visibility dual-color safety system for easy identification on the jobsite
- Cover plates and clamps are molded of impact resistant nylon and resistant to jobsite oils
- Built-in TPE cord entrance seals out dirt, dust and other contaminants
- Accommodates wide range of devices
- Extra-deep box provides additional wiring space perfect for use with #12/3 cord and larger
- Available as pendant and feed-through boxes
- Available with a wide range of cover plates and a full range of replacement parts
- Available with Ericson's in-line type GFCIs for added protection and code compliance

NOTICE:

The NEC restricts the use of metal job boxes as temporary power cords



6000 Series Portable Outlet Boxes Selection Guide

Cord Clamp* Style Box With Open Covers						
	For (2) Duplex Receptacles		For (2) Single Receptacles: 1.390" dia. Hole		For (2) Single Receptacles: 1.572" dia. Hole	
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep
Pendant	6000	6002	6005	6006	6010	6011

^{*} No feed thru box available with cord clamp style

6000 Series Portable Outlet Boxes Selection Guide

Cord Grip Feed Thru * Style Box With Open Covers					Fox (2) Single Percentages		
	For (2) Duplex Receptacles			Receptacles: dia. Hole	For (2) Single Receptacles: 1.572" dia. Hole		
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep	
*Feed-Through	6000-F	6002-F	6005-F	6006-F	6010-F	6011-F	

Standard depth box= 3-3/16''Extra deep box = 4-5/32''

^{*} All 6000 Series feed-throughs have cord grip nuts and grommets (see photo of 6000-F above)



6000 Series Replacement Boxes



Standard Depth Box **Catalog Number - 6030**



Standard Depth Box **Catalog Number - 6030B**

Single Receptacle Cover Plates



Extra Deep Box Catalog Number - 6029

Duplex Receptacle Cover Plates

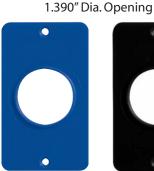
6000 Series Replacement Cover Plates



Catalog # - 6031



Catalog # - 6031B



Catalog # - 6032



Catalog # - 6032B

Single Receptacle Cover Plates 1.572" Dia. Opening







Catalog # - 6033B

GFCI Duplex Receptacle Cover Plates



Catalog # - 6035



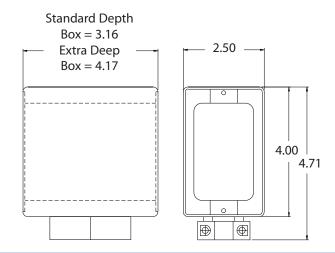
Catalog # - 6035B





Catalog # - 6034 Catalog # - 6034B

6000 Series **Dimensions**









^{*} No feed thru box available with cord clamp style



6000 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/ Receptacles	NEMA Configuration	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles					
6000 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug	60001		5-15	1′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	60025		5-15	25′	14/3
6000 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug	60050		5-15	50′	14/3
6000 box w/ (2) duplex 5-20 receptacles, 1' cord w/ 5-20 plug	60101		5-20	1′	12/3
6000 box w/ (2) duplex 5-20 receptacles, 25' cord w/ 5-20 plug	60125		5-20	25′	12/3
6000 box w/ (2) duplex 5-20 receptacles, 50' cord w/ 5-20 plug	60150		5-20	50′	12/3
6000 Box w/(2) Duplex 5-15 Recepts, No Cord		6001-1	5-15	U-Add	
6000 Box w/ (2) Duplex 5-20 Recepts, No Cord		6001-2	5-20	U-Add	
6000 box w/ (2) duplex L5-15 receptacles, 1' cord w/ L5-15 plug	60201		L5-15	1′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 25' cord w/ L5-15 plug	60225		L5-15	25′	14/3
6000 box w/ (2) duplex L5-15 receptacles, 50' cord w/ L5-15 plug	60250		L5-15	50′	14/3
Factory wired with (2) single receptacles			!		
6006 box w/(2) L5-15 Outlets, 6' cord w/ L5-15 plug	6006-143C2			6′	14/3
6006 box w/(2) L5-15 Outlets, 25' cord w/ L5-15 plug	6006-143A2		15.15	25′	14/3
6006 box w/(2) L5-15 Outlets, 50' cord w/ L5-15 plug	6006-143B2		L5-15	50′	14/3
6006 box w/(2) L5-15 Outlets		6006-2			
6011 w/ (2) L5-20, 6′ #12/3 cord w/L5-20 plug	6011-123C3			6′	12/3
6011 w/ (2) L5-20, 25′ #12/3 cord w/L5-20 plug	6011-123A3		15.20	25′	12/3
6011 w/ (2) L5-20, 50′ #12/3 cord w/L5-20 plug	6011-123B3		L5-20	50′	12/3
6011 w/ (2) L5-20 receptacles		6011-3			
6011 w/ (2) L6-20, 6′ #12/3 cord w/L6-20 plug	6011-123C4			6′	12/3
6011 w/ (2) L6-20, 25′ #12/3 cord w/L6-20 plug	6011-123A4		16.20	25′	12/3
6011 w/ (2) L6-20, 50′ #12/3 cord w/L6-20 plug	6011-123B4		L6-20	50′	12/3
6011 w/ (2) L6-20 receptacles		6011-4			



Notes: 1. Contact factory for custom assemblies



6000 Series GFCI Protected Portable Outlet Boxes Selection Guide

6000 Series Boxes Factory wired with (2) duplex receptacles	Primary Cord Length	Secondary Cord Length	SJTW Cord	Factory Wired Box w/ In-Line GFCI
6000 box w/ (2) duplex 5-20 receptacles, w/molded 5-20 plug	1′	1′		XG2-12-2B-15
6000 box w/ (2) duplex 5-20 receptacles, w/molded 5-20 plug	1′	24′		XG2-12-25B-15
6000 box w/ (2) duplex 5-20 receptacles, w/molded 5-20 plug	1′	49′	12/3	XG2-12-50B-15
6000 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug	1′	1′	12/3	XG2-12-2B
6000 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	1′	25′		XG2-12-25B
6000 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug	1′	50′		XG2-12-50B

Notes:

1. Contact factory for custom assemblies







6100 Series Weather Resistant Portable Outlet Boxes

- Non-metallic, non-conductive design provides protection against electric shock while using portable power cords
- Spring-loaded flip seal covers protect receptacle when not in use
- Heavy-duty stainless steel springs provides dependable, long service life
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- Supplied with cord grip bushings that accommodate #16/3 SO through #12/3 SO cord
- High-visibility dual-color safety system for easy identification on the jobsite
- Cover plates and flip seals are molded of impact resistant PBT thermoplastic
- Accommodates a wide range of devices
- Extra-deep box provides additional wiring space
- Available as pendant and feed-through boxes
- Available with a wide range of cover plates and a full range of replacement parts
- Available with Ericson's in-line GFCIs for added protection and code compliance

6100 Series Weather Resistant Portable Outlet Boxes Selection Guide

Cord Grip Style Box With Flip Covers						
	For (2) Duplex Receptacles		For (2) Single Receptacles: 1.390" dia. Hole		For (2) Single Receptacles: 1.572" dia. Hole	
	Standard Depth	Extra Deep	Standard Depth	Extra Deep	Standard Depth	Extra Deep
Pendant	6100	6102	6105	6106	6110	6111
Feed-Through	6100-F	6102-F	6105-F	6106-F	6110-F	6111-F

Standard depth box= 3-3/16''Extra deep box = 4-5/32''

Selection Guide

All Black Box With Covers				
	For 2 Duplex Receptacles			
	Standard Depth	Extra Deep		
Pendant	6100B	6102B		
Feed-Thru	6100B-F	6102B-F		

Now available in black for Stage, Studio & Entertainment

Molded black box with black cover plates blends into the background Ideal for stage, studio, entertainment and other applications where you want the box to not attract attention



6100 Series Replacement Boxes



Standard Depth

Catalog Number - 6130

Standard Depth Box with Feed Through (not shown) Catalog Number - 6130-F



Extra Deep Box
Catalog Number - 6129

Extra Deep Box with Feed Through (not shown) Catalog Number - 6129-F



Standard Depth

Catalog Number - 6130B

Standard Depth Box with Feed Through (not shown) Catalog Number - 6130B-F



Extra Deep
Catalog Number - 6129B

Extra Deep Box with Feed Through (not shown) Catalog Number - 6129B-F

6100 Series Replacement Cover Plates



For Single Receptacles 1.390" Dia. Opening Catalog Number - 6132



For Single Receptacles 1.572" Dia. Opening Catalog Number - 6133



For Duplex Receptacles Catalog Number - 6131



Blank Cover plate

Catalog Number - 6034



For GFCI Receptacles

Catalog Number - 6135Y



Catalog Number - 6135



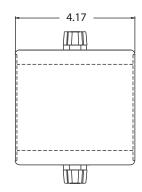
Catalog Number - 6131B

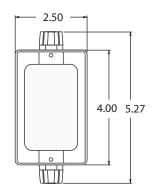


Catalog Number - 6034B

6100 Series Dimensions

Standard Depth Box = 3.16 Extra Deep Box = 4.17













6100 Series Factory Wired Portable Outlet Boxes Selection Guide

	Factory Wired Box	Box w/Receptacles	NEMA Config.	Cord Length	SOW Cord Size
Factory wired with (2) duplex receptacles					·
6100 box w/ (2) duplex 5-15 receptacles, 1' cord w/ 5-15 plug	61001		5-15	1′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 25' cord w/ 5-15 plug	61025		5-15	25′	14/3
6100 box w/ (2) duplex 5-15 receptacles, 50' cord w/ 5-15 plug	61050		5-15	50′	14/3
6100 box w/ (2) duplex 5-20 receptacles, 1' cord w/ 5-20 plug	61101		5-20	1′	12/3
6100 box w/ (2) duplex 5-20 receptacles, 25' cord w/ 5-20 plug	61125		5-20	25′	12/3
6100 box w/ (2) duplex 5-20 receptacles, 50' cord w/ 5-20 plug	61150		5-20	50′	12/3
6100 box w/ (2) duplex 5-15 receptacles, no cord		6101-1		U-Add	
6100 box w/ (2) duplex 5-20 receptacles, no cord		6101-2		U-Add	
6100 box w/ (2) duplex L5-15 receptacles, 1' cord w/ L5-15 plug	61201		L5-15	1′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 25' cord w/ L5-15 plug	61225		L5-15	25′	14/3
6100 box w/ (2) duplex L5-15 receptacles, 50' cord w/ L5-15 plug	61250		L5-15	50′	14/3
Factory wired with (2) single receptacles	1				
6106 box w/(2) L5-15 Outlets, 6' cord w/ L5-15 plug	6106-143C2		L5-15	6′	14/3
6106 box w/(2) L5-15 Outlets, 25' cord w/ L5-15 plug	6106-143A2		L5-15	25′	14/3
6106 box w/(2) L5-15 Outlets, 50' cord w/ L5-15 plug	6106-143B2		L5-15	50′	14/3
6106 box w/(2) L5-15 Outlets		6106-2	L5-15		
6111 w/ (2) L5-20,6' #12/3 cord w/L5-20 plug	6111-123C3		L5-20	6′	12/3
6111 w/ (2) L5-20,25' #12/3 cord w/L5-20 plug	6111-123A3		L5-20	25′	12/3
6111 w/ (2) L5-20,50' #12/3 cord w/L5-20 plug	6111-123B3		L5-20	50′	12/3
6111 w/ (2) L5-20 receptacles		6111-3	L5-20		
6111 w/ (2) L6-20,6' #12/3 cord w/L6-20 plug	6111-123C4		L6-20	6′	12/3
6111 w/ (2) L6-20,25' #12/3 cord w/L6-20 plug	6111-123A4		L6-20	25′	12/3
6111 w/ (2) L6-20,50' #12/3 cord w/L6-20 plug	6111-123B4		L6-20	50′	12/3
6111 w/ (2) L6-20 receptacles		6111-4	L6-20		

Notes:

1. Contact factory for custom assemblies

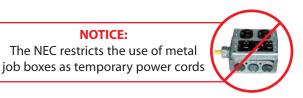


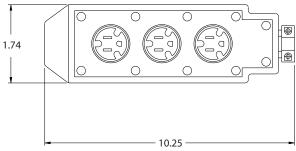


NOTICE: The NEC restricts the use of metal

7000 Series Tri-Tap Multiple Outlet Boxes

- Available in a variety of amperages and voltages
- Standard NEMA configurations insure compatibility with existing equipment
- Molded of rugged thermoplastic elastomer (TPE) to provide maximum resistance to oils, chemical and impact
- Non-conductive housing eliminates possibility of box becoming energized
- Cover plate and non-conductive cord clamp molded from impact and chemical resistant polybutylene terepthalate (PBT)
- Molded of Blue and Radiant Yellow colors for added safety through greater visibility in dull work environments





7000 Series Tri-Tap Multiple Outlet Boxes

			Factory W	ired Boxes		
		NEMA		#12/3	#12/3 SOW	
Amperage	Voltage	Configuration	Box Only	25′	50′	
15	125	5-15	7000	7000-25-2	7000-50-2	
20	125	5-20	7002	7002-25-2	7002-50-2	
15	250	6-15	7004	7004-25-2	7004-50-2	
15	125	L5-15	7008	7008-25-2	7008-50-2	
20	250	L6-15	7010	7010-25-2	7010-50-2	
20	125	L5-20	7020	7020-25-2	7020-50-2	
20	250	L6-20	7022	7022-25-2	7022-50-2	
20	277	L7-20	7024	7024-25-2	7024-50-2	

7000 Series Tri-Tap Outlet Boxes with GFCI Protection

• The features of the 7000 series boxes plus GFCI protection for that added degree of safety



7000 Series Tri-Tap Outlet Boxes with GFCI Protection

		•			
		Factory Wired Boxes			
		NEMA		#12/3 SJTW	
Amperage	Voltage	Configuration	GFCI	25′	50′
15		5-15			
20	125	5-20	In-line	7002-25-2GF	7002-50-2GF
20		L5-20		7020-25-2GF	7020-50-2GF



1. Consult factory for custom assemblies









^{1.} Consult factory for custom assemblies

Now available from Ericson Manufacturing Company...

8000 Series portable electrical enclosures with large internal wiring area which allows for cords from 18/3 to 6/4 cable. Rugged and durable, these outlet boxes are engineered to provide protection against electric shock under harsh conditions.

- Extra-deep box provides additional wiring space perfect for use with all cords up to 6/4
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- Plates (sold separately) accommodate a wide range of devices (screw kits included)
- Available with a wide range of cover plates and a full range of replacement parts
- Plate available for use with Ericson's 1075 GFCI module (not included) for added protection and code compliance (class A open neutral protection)
- Cover plates and cord grips are molded of impact resistant nylon and resistant to jobsite oils
- Available as pendant and feed-through boxes
- Wire mesh cord grips available



Selection Guide

Catalog #	Description
8005	Box with 1 x 1/2" npt hole
8005F	Box with 2 x 1/2" npt holes (1 hole at each end)
8034	Box with 1 x 3/4" npt hole
8034F	Box with 2 x 3/4" npt holes (1 hole at each end)
8010	Box with 1 x 1" npt hole
8010F	Box with 2 x 1" npt holes (1 hole at each end)

How To Order





Catalog #	Strain Relief Kits
82005	Strain Relief, Cord 1/2 IN NPT W/ Grommets
82034	Strain Relief, Cord, 3/4 IN NPT
82010	Strain Relief, Cord, 1 IN NPT
82005W	Strain Relief, Wire, Cord .5 IN 1/2 NPT
82034W	Strain Relief, Wire, Cord, 3/4 IN NPT
82010W	Strain Relief, Wire, Cord, 1IN NPT

		8205 cover
	0	TT 30 RV,
		2.385" dia. Hole
	10%	



8208FS cover Combo 1.56" & Duplex



8201FS cover (2) Duplex

Catalog #	Plates
8200	Plate Blank
8201	Plate, 2 Duplex - No Flip Covers
8201FS	Plate, 2 Duplex With Flip Covers
8202	Plate, 1 GFCI 1075 No Flip Req'd
8203	Plate, 1 GFCI Duplex Receptacle No Flip
8203FS	Plate, 1 GFCI Receptacle With Flip
8204	Plate, 2 GFCI Receptacle - No Flip Covers
8204FS	Plate, 2 GFCI Receptacle With Flip Covers
8205	Plate, 1 LG Recpt RV TT-30 - No Flip Cover
8206	Plate, 2 Single 1.56" Round Recpt- No Flip Cover
8206FS	PLate, 2 Single 1.56" Round Recpt With Flip Covers
8207	Plate, 1 Single 1.56" Round Recpt - No Flip- 1/2 Blank
8207FS	Plate, 1 Single 1.56" Round Recpt With Flip Cover - 1/2 Blank
8208	Plate, 1 Single 1.56" Round & 1 Duplex Recpt - No Flip
8208FS	Plate, 1 Single 1.56" Round & 1 Duplex Recpt With Flip Covers

Catalog #	Screw Kits*
80SCPKG	Screw kit, 8000 Series ENCL (replacement)
82SCPKGPL	Screw kit, 8200 Plates (replacement)



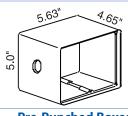


1075 GFCI Module Use 8202 Plate



8206FS 1.56" Round







Pre-Punched Boxes

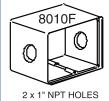












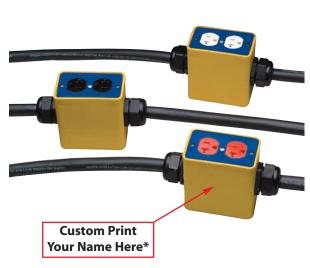
Strain Relief Kits					
Cable Ranges (strain relief)	Catalog Number	Cable Ranges (wire mesh)		Catalog Number	
		1/2" NPT Fits Cable Ranges	1/2" NPT		
1/2" NPT Fits Cable Ranges		.375500		82005W WIRE MESH	
.3761	82005	1/2" NPT Fits Cable Ranges	1/2" NPT		
		.500625		82005W-1 WIRE MESH	
3/4″ NPT		3/4" NPT Fits Cable Ranges .625750	3/4" NPT	O (1)	
Fits Cable Ranges				82034W WIRE MESH	
.4570		3/4" NPT			
		.730 .073		82034W-1 WIRE MESH	
1" NPT Fits Cable Ranges .59 - 1.00	82010	1.0" NPT Fits Cable Ranges .875 - 1.000	1" NPT	82010W WIRE MESH	
2.14	8201	3201FS 8202	©	203 8203FS	
8204 8204	4FS 8205	8206 8206FS		8207 8207FS	
Hole Ø Inches: 8205 = 2.40 8206 = 1.57 8207 = 1.57	B208FS	8209 8209-OR 8209FS-OR	82	8210FS	
8208 = 1.57	<u>ACTUA</u>	L PLATE CONFIGURATION, RE	<u>F.</u>		











120/208 Volt 3-Phase Alternate-Wired Portable Outlet Box Power Stringer

- Code compliant
- Perfect for events requiring temporary power such as: conventions, carnivals, circuses, fairs and sporting events
- Available with Ericson's non-metallic, non-conductive outlet boxes
- Molded of thermoplastic elastomer (TPE) these non-conductive boxes are crush proof and resistant to jobsite oils
- High-visibility dual-color safety system for easy identification on the jobsite
- Available with a wide range of cover plates and a full range of replacement parts

3-Phase Alternate Wired Power Stringer Selection Guide. 10' leader. Boxes 10' on Center

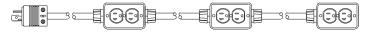
Catalog Number	Plug	Receptacles	Overall Length	SOW Cord Size	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6
20 Amp 3Ø										
6050 -125F8	L21-20	5-20	30′	12/5	A-phase	B-phase	C-phase	-	-	-
6050 -125G8			60′	12/5				A-phase	B-phase	C-phase
6050 -105F8			30′	10/5				-	-	-
6050 -105G8			60′	10/5				A-phase	B-phase	C-phase
	Number 6050 -125F8 6050 -125G8 6050 -105F8	Number Plug 6050 -125F8 6050 -125G8	Number Plug Receptacies 6050 -125F8 6050 -125G8 6050 -105F8 L21-20 5-20	Number Plug Receptacies Length 6050 -125F8	Number Plug Receptacles Length Cord Size 6050 -125F8 30' 12/5 6050 -125G8 60' 12/5 6050 -105F8 5-20 30' 10/5	Number Flug Receptacles Length Cord Size BOX 1 6050 -125F8 30' 12/5 12/5 12/5 4-phase 6050 -105F8 5-20 30' 10/5 A-phase	Number Plug Receptacies Length Cord Size BOX 1 BOX 2 6050 -125F8 30' 12/5 12/5 4-phase B-phase 6050 -105F8 5-20 30' 10/5 A-phase B-phase	Number Piug Receptacies Length Cord Size BOX 1 BOX 2 BOX 3 6050 -125F8 6050 -125G8 6050 -105F8 L21-20 5-20 30′ 12/5 30′ 10/5 A-phase B-phase C-phase	Number Plug Receptacles Length Cord Size BOX 1 BOX 2 BOX 3 BOX 4 6050 -125F8 6050 -105F8 30' 12/5 60' 12/5 10/5 A-phase B-phase C-phase -	Number Plug Receptacies Length Cord Size Box 1 Box 2 Box 3 Box 4 Box 3 6050 -125F8 6050 -105F8 30' 12/5 60' 12/5 10/5 A-phase B-phase C-phase A-phase B-phase

Notes:

- 1. Contact factory for custom assemblies
- 2. Add "BLK" to catalog number for all black boxes & cable. Example: 6050-125F8 becomes 6050-125F8BLK
- 3. One color-coded duplex outlet per box
- 4. Indoor use only without snap covers



30' Streamer



60' Streamer



*Custom Box Printing. Some restrictions apply. Quantity restrictions apply. Call us for details.



Custom Lengths

Need power outlets at specific space intervals? Ericson can customize your stringer to your specs.



Custom Cord Printing

Ericson offers custom cord printing for most cordsets and stringers. Helps prevent theft and identifies your temporary power investment.



ERICSON MANUFACTURING COMPANY WWW.ERICSON.COM 1-800-ERICSON

BONUS - CORD PRINTING AVAILABLE

See Your Local Ericson Representative For Details.









17,000-R

Portable Lamps

HEAVY DUTY . SHOCK PROOF . OIL PROOF

Protection

FOR WORKERS and PROPERTY

from Electrical Hazards

C&E Safety Handles are made of the highest quality rubber, properly compounded to render long life under the most severe conditions, specially heat resistant and finished with oil and grease resistant baked elastic enamel, which does not peel or crumble off in use. Underwriters' Approved.

LAMP SIZE 40-100

C&E Safety Lamp Guards are of heavy duty type, steel wires are electrically welded and rustproofed by Heavy Coat of **cadmium plating.** The friction swiveled hook holds lamp guard in desired position and the center **octagon ring** prevents guard from rolling when placed on the floor.

The socket is specially designed, 660W-250V, spring contact, no porcelain to break and will give long satisfactory service.

C&E Safety Portable Guards are constructed to permit easy assembling, no soldering or taping is necessary. The cord is passed through seal at end of handle, then the wires are run through holes in the disc and knotted, taking all strain off the socket connections and cord.

C&E Safety Portable Lamps are watertight. Lamp seals itself into top of Rubber Handle, and the cord is sealed at the end of handle by inside lip.

1-12
\$1.28 1.36
\$1.40
1.48

The above Portables can be furnished with fibre or rubber covered guards.

Prices on request.

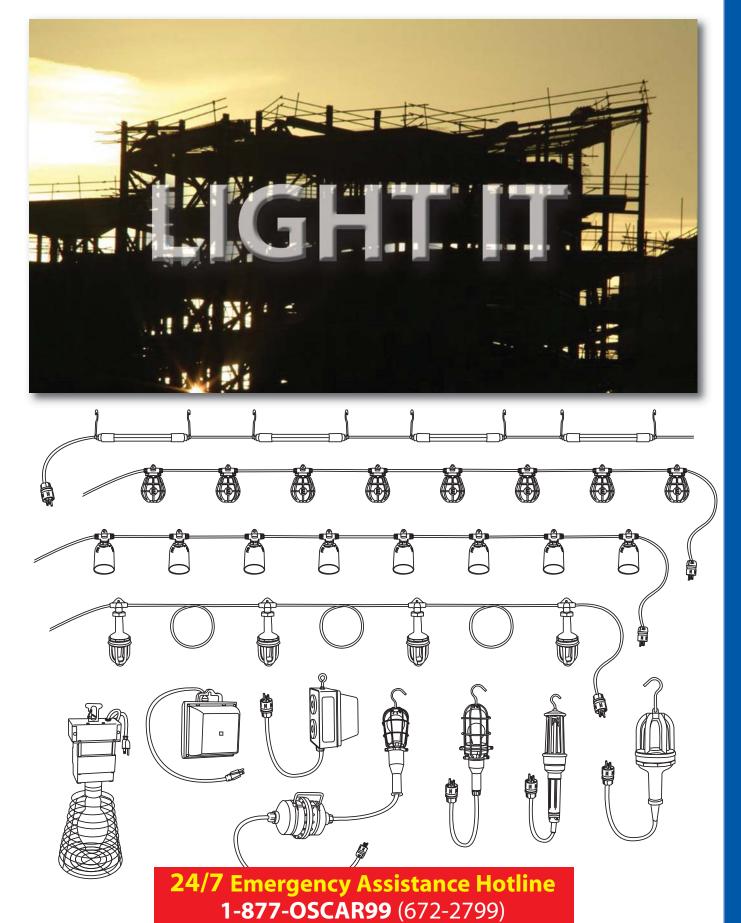
F.O.B. Cleveland, Ohio

Industrial Products Co.

800 WEST SOMERSET STREET Philadelphia, Pa.



Original Ad from 1918











High Bay Temporary Lighting

Baylite[™] 400 & 250 Watt Pulse Start Metal Halide

- Pulse Start ballast meets the requirements of the Energy Independance Act of 2007
- CUL Listed suitable for damp locations
- Open-air ballast for cooler operation
- Multi-Tap ballast: 120V, 208V, 240V, 277V: Factory wired at 120V
- Base models have 3 ft 18/3 power cord with 5-15P molded plug.
 Feed thru models have 14/3 molded primary and secondary cords attached.
 (CSA certified on feed thru models)
 - Clear metal halide pulse type O lamp included (NEC 2008 Compliant)
 - Average rated lamp life of over 10,000 hours
 - Super bright metal halide lamp has a color temperature of 4000K
 - EZ hook with locking feature
 - (2) 3/4" knock-outs for optional conduit access (on base models only)



Wide Area Lighting

Ericson offers many styles of medium to large area lighting for many applications. From the versatile Magnet Mountable Model 1000, (still Made in the USA), to the Emergency Battery Ballast version of our popular model 1000-F series Heavy Duty Fluorescent Magnet lights, we have your medium area lighting covered with code compliant products. Rounding out our product offering with the SunTowerTM which brings bright twin 750 Watt Stadium Lights on an easy to assemble unit with power distribution built right in, (and even a generator powered model!).

- Model 1000: 70 Watt HPS and MH high brightness in a NEMA 3R rain rated design with magnet mounting and power receptacles built right in.
- Model 1000-F: Same great design and features of the popular 1000 with multiple fluorescent tube cool lighting
- Model 1000-EMBT: Housed in the popular model 1000-F is a 120 minute battery backup in the event of power failure – great for confined spaces and safe operations
- Model 1000-MH & 1003-HPS: the large 6" magnet and die cast housing make this model a rugged contender for your lighting needs
- Suntower: 3 base models to choose from... Single and Dual Lights with winch operations and generator model Bright as the Sun



Task, Tent & Work Heavy Duty

From the versatile T8 All electronic-ballasted Model 800 Series, (Made in the USA), to the new greener version of our popular model 1100 series Heavy Duty All Weather Rubberized T8 lights, we have your Tent, Shelter, Task & Work Area lighting handled. Ericson makes a wide variety of all-weather, high brightness lights for many applications. Easy to use and built to last job after job, Ericson has the lighting products you need for your application.

Model 800 Series: Superior T8 tube lighting in a ruggedly designed rubberized housing which withstands lots of abuse. 2 ft to 5 ft models are available.

- Model 1140: New electronic auto Multi-Voltage ballast operates from 120 to 277 V 50/60 Hz without modification. Green T8 bulbs with miser ballast housed in the ultimate harsh environment design.
- Model 1239: Same great features as the 1140 Series in a compact 2 ft light with BX tubes and high lumen output in a compact design. 120V only



Hand Lamps

- Commercial and light duty handlamps
- Industrial duty incandescent handlamps
- Vapor-Gard® handlamps
- Industrial fluorescent handlamps
- Industrial low voltage fluorescent handlamps
- 13W fluorescent handlamps with battery pack
- Low voltage handlamps with in-line transformer



Hazardous Location

Need lighting for Classified and Hazardous locations? We have the lighting you need to meet your safety and code conditions. With a long history of Hazardous location lighting safety, Ericson has the products and quality reputation as an original manufacturer of heavy duty Class 1 & 2, Div 1 & 2 Certified and Listed Products.

- 12 Volt Spot and Flood 2200 series mates with our popular low voltage transformers to ensure compliance in Classified areas
- Our 26W Fluorescent Model 2500 Handlamp comes as a handlamp alone (for your cord) or with 25 or 50 ft of cord and plug ready to go
- The Best Selling 2600 Series XP handlamp can operate with two types of bulbs, with or without cord and the ease of quick field repairs



Specialty Use

Our specialty lights meet the needs of special lighting situations. If you have a particular situation that needs lighting innovation and a solution, contact Ericson today. We can help.

• 500 Watt "Boiler Inspection" Light – 90 deg and straight tube that fits into a small opening for inspections – can be used in a variety of applications



Types of Stringlights:

There are several types of stringlights available. These types differ in construction and the environments for which they are designed to operate. The basic design of a stringlight set is a medium Edison base lamp socket electrically connected to a cord via several methods:

- 1. Mechanically Attached Sockets Like our model X-142100, these indoor rated stringlights use lamp sockets with insulation displacement or piercing pins to make the electrical connection through the cord jacket insulation. The socket is then held on with mechanical means and the stringlight is supported by hanger hooks at each socket location. Economically priced, these stringlights are normally used only a few times and then discarded.
- 2. Molded Sockets The design of these stringlights varies, but the basic design is a medium Edison base socket that is held in an overmolded material area attached to the cord. The electrical connections and socket are protected from the environments and this reduces corrosion and electrical faults. The cord jacket and the overmold material vary from manufacturer to manufacturer and the durability depends on this material formulation to ensure a watertight bond.

Rules for Use:

There are many rules governing the use of stringlights. These are a few of the more common questions that arise. Consult your local inspection authority before installing stringlights.

- 1. Length of Time Stringlights are normally used in *Temporary Use Locations* (defined by NEC Article 590) and the length of time is defined in that article.
- 2. Article 590.4 of the NEC 2008 states that all lamps will have protection from accidental contact or damage.
- 3. Two wire stringlights (no ground wire) must use non-conductive lamp guards.
- 4. Three wire stringlights can use metallic or non-metallic guards, but the metallic guards must be grounded with a continuous ground wire through the stringlight.
- 5. Depending on your local inspector, stringlights can be "hard wired" to a panel as long as there is no strain on the connection.
- 6. Stringlights must be held aloft by the hanging tabs located at each lamp socket and not by the cord/conductors unless permission by the manufacturer is given.
- 7. According to article 590 of the 2008 NEC, lighting circuits and power circuits in temporary locations should not be mixed. You should not protect a stringlight circuit with GFCI protection.

Do's and Don'ts

- 1. Never use indoor rated stringlights in outdoor situations
- 2. Never install lamps with wattage greater than the manufacturer's specifications for that stringlight
- 3. Never operate stringlights without lamp quards in place replace any broken quards
- 4. Use hang tabs or a "messenger wire" to suspend stringlights over the work area

Stringlight Selection Guide

Contractor Grade Stringlights	Length	Wire Type	Guard Type (included)	Primary Plug	Secondary Connector
142100	100 Ft.	14/2 SJT 300V	Plastic Lattice 04201	Molded NEMA 1-15P	Molded NEMA 1-15C
X-142100	100 Ft.	14/2 Flat 300V	Plastic Lattice Snap-on	blunt	blunt
		E-Lite (Commercial Grade Stringlights		
143100STWY-1L		14/3 STW 600V	Plastic Lattice 04201	Molded 5-15P	Molded 5-15C
143100STWY-2L			Plastic Lattice 04201	Molded L5-15P	Molded L5-150
143100STWY-1W			Welded Wire 211	Molded 5-15P	Molded 5-150
143100STWY-2W	100 =		Welded Wire 211	Molded L5-15P	Molded L5-150
143100STWY-1WP	100 Ft.		Vinyl Coated Wire 211-P	Molded 5-15P	Molded 5-15C
143100STWY-2WP			Vinyl Coated Wire 211-P	Molded L5-15P	Molded L5-150
143100STWY-1C			Clear Rain 212**	Molded 5-15P	Molded 5-150
143100STWY-2C			Clear Rain 212**	Molded L5-15P	Molded L5-150
122100STW	100 =	12/2 STW	Plastic Lattice 04201	Molded 1-15P	Molded L5-150
122100STW-C	100 Ft.	600V	Clear Rain 212**	Molded 1-15P	Molded L5-150
123100STWY-1L		12/3 STW 600V	Plastic Lattice 04201	Molded 5-15P	Molded 5-150
123100STWY-3L			Plastic Lattice 04201	Molded L5-20P	Molded L5-20
123100STWY-1W			Welded Wire 211	Molded 5-15P	Molded 5-150
123100STWY-3W			Welded Wire 211	Molded L5-20P	Molded L5-200
123100STWY-1WP	100 Ft.		Vinyl Coated Wire 211-P	Molded 5-15P	Molded 5-15C
123100STWY-3WP			Vinyl Coated Wire 211-P	Molded L5-20P	Molded L5-20
123100STWY-1C			Clear Rain 212**	Molded 5-15P	Molded 5-15C
123100STWY-3C			Clear Rain 212**	Molded L5-20P	Molded L5-200
50 ft. available - change	100 to 50 **	Does not include bott	om snap-on cover	1	
ndustrial Grade Strin	glights				
143100Y-1		14/3 SEOW 12/3 SEOW	Order Separately	1510-PW6P (NEMA 5-15P)	1610-CW6P (NEMA 5-15C)
143100Y-2			Order Separately	1520-PW6P	1620-CW6P
123100Y-1	100 Ft.		Order Separately	(NEMA L5-15P) 1510-PW6P	(NEMA L5-15C 1610-CW6P
123100Y-2			. ,	(NEMA 5-15P) 1520-PW6P	(NEMA 5-15C) 1620-CW6P
1231001-2			Order Separately	(NEMA L5-15P)	(NEMA L5-15C)
123100Y-3			Order Separately	2310-PW6P (NEMA L5-20P)	2410-CW6P (NEMA L5-20C)



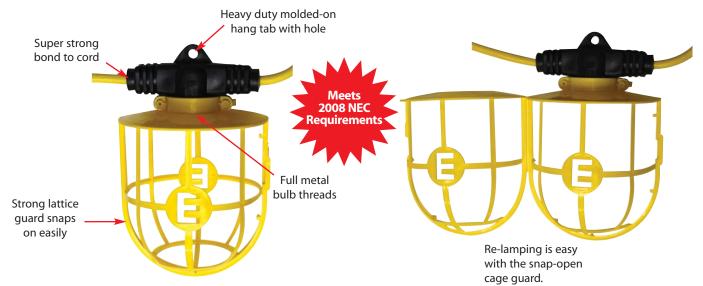




Construct-O-Lite® – 2-Wire Contractor Grade Molded Stringlights

Comply with OSHA regulations and the NEC with these molded stringlights. No more open conductors that can be cut into by metal studs posing and extreme safety hazard. Several different models to choose from.

- Meets OSHA & Canadian WC construction site requirements
- Meets NEC/CEC requirements for temporary lighting
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Full threaded screwshell to ensure proper contact
- Easy relamping with non-conductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Standard models supplied with 15 Amp, 2-wire straight-blade (NEMA 1-15) plug & NEMA 1-15 connection
- #14/2 and #12/2 cord types









212 Rain Guards included with model 122100STW-C

	Best #14/2 AWG	#12/2 AWG			
Item Number	Seller 142100	122100STW	122100STW-C		
Specifications:					
Electrical	120V/60Hz	120V/60Hz	120V/60Hz		
Overall Length	100 ft.*	100 ft.*	100 ft.*		
Cable gauge & type	14/2 SJTW 300V	12/2 STW 600V	12/2 STW 600V		
Guard	04201 snap on lattice	04201 snap on lattice	212 Rain Guard		
Number of sockets	10	10	10		
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers		
Max watts per socket	150	150	150		
Primary	NEMA 1-15 plug	NEMA 1-15 plug	NEMA 1-15 plug		
Secondary	NEMA 1-15 connection	NEMA 1-15 connection	NEMA 1-15 connection		

NOTES:

Not for use with short A19 type bulbs

^{* 50} ft available - call for details

Construct-O-Lite® II – Light-Duty Flat Wire Stringlights

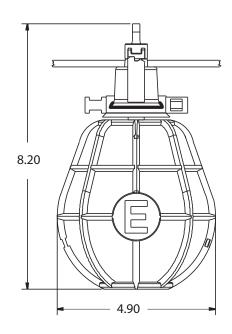
Comply with OSHA regulations and the 2008 NEC with these light duty stringlights. No more open conductors that can be cut into by metal studs posing an extreme safety hazard.

- Meets OSHA construction site requirements
- Meets NEC requirements for temporary lighting
- Designed for applications that require rapid set-up/tear-down and an economy stringlight
- Easy relamping with non-conductive, snap-open cage guard
- Built-in hanger for easy installation with messenger cable or hooks
- Accommodates one Type A-19 or one Type A-23 Lamp per socket max 150W



Catalog Number	X-142100
Specifications:	
Electrical	120V, 12.5A, 1500W
Overall length	100 ft.
Cable gauge & type	AWG #14/2
Guard	Snap on lattice
Number of sockets	10
Socket spacing	10 ft. centers
Max watts per socket	150W
Primary	9' Blunt
Secondary	1' Blunt with shrink tube cap







E-Lite™ 3-Wire Commercial Grade Molded Stringlights

- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting 525.21(B), 527.4(F), 527.4(H)
- Designed for applications that require rapid set-up/tear-down and a 3-wire stringlight
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, snap-open cage guard grounded wire guard or clear rain guards
- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage ST cord in 50 ft. and 100 ft. lengths
- Stringlights come standard with Ericson's molded plugs and connectors.

Ordering is EASY! 1. Select 14/3 or 12/3 wire 2. Select Length 50 or 100 ft.* Strong molded EZ 3. Select bulb guard type in mounting tab Relamping

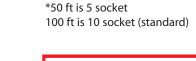




Indoor/Outdoor

Use

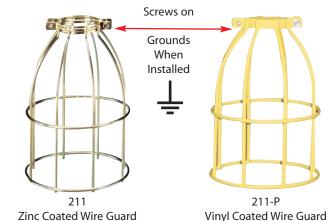
2008 NE



F7

Snaps

together







04201

Rugged Plastic Guard



"W"

211-BG Zinc Coated Wire Guard Snap on Bottom

"WP"

Not for use with short A19 type bulbs



Order Separately

E-Lite™ 3-Wire Commercial Grade Molded Stringlights Selection Guide

Standard products come with 9 ft. primary (lead) and 1 ft. secondary (tail)

Stringlights with #12/3 STW Cable:

	#12/3 STW w/ Pla	stic Lattice Guard	#12/3 STW w/W	ire Cage Guard*	12/3 STW w/Clear l	Lexan Rain Guard**
50 ft. Overall Length	12350STWY-1L	12350STWY-3L	12350STWY-1W	12350STWY-3W	12350STWY-1C	12350STWY-3C
100 ft. Overall Length	123100STWY-1L	123100STWY-3L	123100STWY-1W	123100STWY-3W	123100STWY-1C	123100STWY-3C
Specifications:						
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above	see above	see above
Cable gauge & type	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW	12/3 STW
Guard	04201 snap on lattice	04201 snap on lattice	211 Wire guard	211 Wire guard	212/216 Guard	212/216 Guard
Number of sockets: 50 ft. stringlights	5	5	5	5	5	5
100 ft. stringlights	10	10	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:						
50 ft. stringlights	200	200	200	200	200	200
100 ft. stringlights	150	150	150	150	150	150
Plug***	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)
Connector***	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)	(NEMA 5-15)	(NEMA L5-20)

^{*} For vinyl coated wire guards add "P". Example 123I00STWY-1WP

Stringlights with #14/3 STW Cable:

	#14/3 STW w/ Pla	stic Lattice Guard	#14/3 STW w/ W	ire Cage Guard*	14/3 STW w/Clear I	exan Rain Guard**
50 ft. Overall Length	14350STWY-1L	14350STWY-2L	14350STWY-1W	14350STWY-2W	14350STWY-1C	14350STWY-2C
100 ft. Overall Length	143100STWY-1L	143100STWY-2L	143100STWY-1W	143100STWY-2W	143100STWY-1C	143100STWY-2C
Specifications:						
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz
Overall Length	see above	see above	see above	see above	see above	see above
Cable gauge & type	14/3 STW	14/3 STW	14/3 STW	14/3 STW	14/3 STW	14/3 STW
Guard	04201 snap on lattice	04201 snap on lattice	211 Wire guard	211 Wire guard	212/216 Guard	212/216 Guard
Number of sockets:						
50 ft. stringlights	5	5	5	5	5	5
100 ft. stringlights	10	10	10	10	10	10
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:						
50 ft. stringlights	200	200	200	200	200	200
100 ft. stringlights	150	150	150	150	150	150
Plug***	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)
Connector***	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)	(NEMA 5-15)	(NEMA L5-15)

CONTACT ERICSON FOR YOUR CUSTOM STRINGLIGHT CONFIGURATIONS!





^{** 216} End caps ordered separately

^{***50} ft. stringlight sets come with mechanically attached plugs. 100 ft stringlight sets come with molded on plugs and connectors

^{*} For vinyl coated wire guards add "P". Example 123I00STWY-1WP

^{** 216} End caps ordered separately

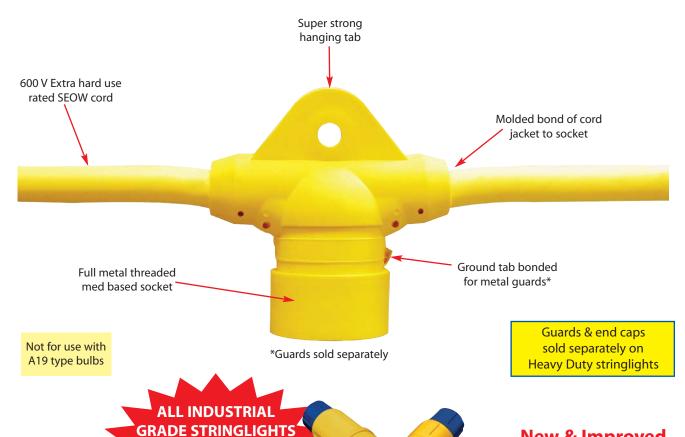
^{***50} ft. stringlight sets come with mechanically attached plugs. 100 ft stringlight sets come with molded on plugs and connectors

3-Wire Heavy Duty Molded Stringlights

- UL Listed and CSA Certified
- Meets OSHA construction site requirements 1926.405(a)(2)(ii)(E&F)
- Meets NEC requirements for temporary lighting 525.21(B), 527.4(F), 527.4(H)
- Designed for demanding industrial applications
- Full threaded screwshell to ensure proper contact
- Available with non-conductive, rain-guard or wire guard
- Built-in hanger for easy installation with messenger cable or hooks
- Units come standard with Extra-Hard-Usage SEOW cord in 50 ft. and 100 ft. lengths
- Stringlights come standard with Ericson's Perma-Tite® plugs and connectors

COME WITH WATER-TIGHT NEMA 6P RATED PLUG & CONNECTOR







Custom Lengths Socket Spacing Available

Not for use with short A19 type bulbs

New & Improved







Heavy-Duty Industrial 3-Wire Molded Stringlights Selection Guide

Standard products come with 9 ft. primary (lead) and 1 ft. secondary (tail)

	#14/3 SE	#14/3 SEOW Cable		2/3 SEOW Cab	le	240V #12/4 Cable	208V 3 Ph #12/5 Cable
50 ft. Overall Length	14350Y-1	14350Y-2	12350Y-1	12350Y-2	12350Y-3	12460Y-4	12560Y-5
100 ft. Overall Length	143100Y-1	143100Y-2	123100Y-1	123100Y-2	123100Y-3	124100Y-4	12590Y-5
Specifications:							
Electrical	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	120V/60Hz	240V	208Y/120V
Overall Length	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	50 = 50 ft 100 = 100 ft	60 = 60 ft 100 = 100 ft	60 = 60 ft 90 = 90 ft
Cable gauge & type	14/3 SEOW	14/3 SEOW	12/3 SEOW	12/3 SEOW	12/3 SEOW	12/4 SEOW	12/5 SEOW
Guard	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1	Not included see note 1
Number of sockets:							
Short stringlights	5	5	5	5	5	6	6
Long stringlights	10	10	10	10	10	10	9
Socket spacing	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers	10 ft. centers
Max watts per socket:	See note 2	See note 2	See note 2	See note 2	See note 2	See note 2	See note 2
Plug*	-1	-2	-1	-2	-3	-4	-5
Connector*	-1	-2	-1	-2	-3	-4	-5
Color	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**	Yellow**
* Connections	PLUG		CONNECTOR				
-1 =	1510-PW6P (NE	MA 5-15)	1610-CW6P (NE	MA 5-15)			
-2 =	2 = 1520-PW6P (NEMA L5-15)		1620-CW6P (NE	MA L5-15)			
-3 =	3 = 2310-PW6P(NEMA L5-20)		2410-CW6P (NEMA L5-20)				
-4 =	L14-20P - 2320-	4-20P - 2320-PW6P L14		L14-20C - 2420-CW6P			
-5 =	L21-20P (non w	ater tight)	L21-20C (non w	ater tight)			

^{**} Color = Yellow is standard $\,$ - Replace "Y" with "B" $\,$ in part number for all black. Example: 123100B-1

Notes

1: Order guards seperately - wire, coated or clear rain

2: For 10 skt strings 150 Watts is max per socket. For short strings up to 200 Watts per socket is permissable although socket may be marked 150W.

3: 214 Guard max is 150W bulb for any string.

Drop with 211-P Guard

Drop with 214 Guard



Part Number Chart - How To Order

Part #	Guard Type
211	Welded wire zinc coated
211-P	Vinyl coated welded wire
214	Clear rain
216	Rain guard snap-on bottom



125 = 12/5







4= L14-20*

5= L21-20*



Lamp Guards for Stringlights

- Heavy-Duty Rain-Guard®
- Meets OSHA requirements for temporary lighting: Temporary lights shall be equipped with guards to prevent accidental contact with bulb
- One-piece molded high-impact polycarbonate
- Prevents accidental contact with bulb
- Transparent to let light shine through while protecting bulb from jobsite debris and moisture
- Built-in vents dissipate heat and allow air-flow around bulb for cooling
- Matching polycarbonate end-cap available to provide complete bulb protection

USE WITH INCANDESCENT, CFL OR LED BULBS







	Collar Diameter				
Description	1-3/4"*	1-1/2"*			
Guard Only	#214	#212			
Guard with end cap	#215	#226			
End cap only	#216	#216			

Length 6- 5/8". Diameter 4-11/16"

Accommodates up to 150 watt rough service lamps.

*214 guards fit heavy duty grade stringlights 212 guards fit commercial grade E-Lite stringlights



ΕZ







Heavy Duty Wire Lamp Guards Selection Guide

Universal style plated or vinyl coated

Guard Style	#211	#220	#222	#224	
Lamp Size	up to 150 watt A-23-RS or 200 watt A-23/Std.	150 watt PS25 or 200 watt PS30-RS	150 watt A-23/RS or 200 watt A-23/Std.	PAR-38 or R-4	
Plated	#211	#220	#222-L	#224	
Vinyl coated	#211-P	#220-P	#222-LP	#224-P	
Collar Diameter*	1-3/4"*	1-3/4"*	1-3/4"*	1-3/4"*	
Dimensions	Length 7" Diameter 4-3/4"	Length 10" Diameter 5"	Length 6-1/2" Diameter 4"	Length 7-1/2" Diameter 6-1/2"	

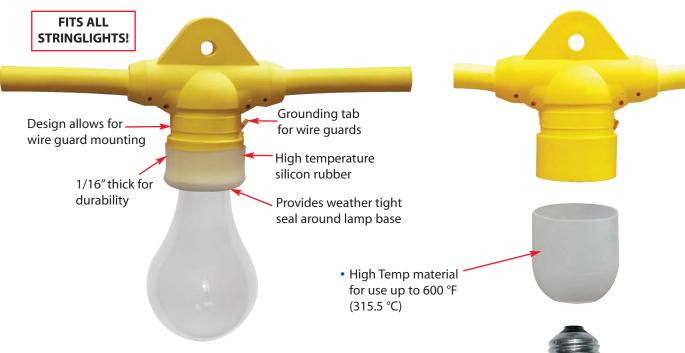


1. For use with E-Lite™ Series stringlights & heavy-duty molded stringlights.

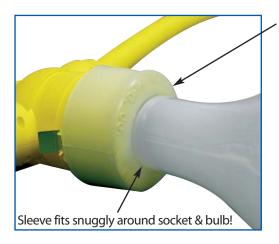


Socket Sleeve

The Socket Sleeve adds an extra layer of environmental protection between the elements and the socket. It slips easily over the socket and seals tight around the lamp. The socket sleeve is available for the E-Lite and the heavy-duty industrial string lights.



- Can be used with Ericson's plated, vinyl-coated & plastic lattice guards. Not recommended for use with 214 or 212 RainGuard®
- Side cutouts provided for use with metal grounding tabs.



Keeps out water, salt spray & sludge

Just Add A Wire Guard!





Keeps **Elec**trical Contacts **Dry & Clean**

Description	Catalog Number	Qty
Socket Sleeve for use with E-Lite & Construct-O-Lite® string lights 11/2"	SS-E-LITE	10/Bag
Socket Sleeve for use with heavy-duty string light 13/4"	SS-HD	10/Bag









Stringlight Assembly Configurator

Name:	
Company:	
Phone:	
e-mail:	

Easy as 1-2-3

- 1. Fill in all information
- 2. Select grade & colors
- **3. Fax:** 1-440-951-1867

01

Scan/e-mail:

info@ericson.com

Stringlight Assembly Configurator

Overall Length: Primary (Lead) Length: Secondary (Tail) Length: Plug (ex: 1510-PW6P): Connector (ex: 1610-CW6P): Cable Size/Type (ex: #12/3 SEO): _ (Note: Wire guards require ground wire) Cable Color: Total Number of Lamp Sockets: ____ Spacing between Sockets:_ Lamp Guard Type (select from list below): 211 214 220 222-L 224 211-P 212 220-P 222-LP 224-P

Grade of Stringlights

- ☐ Commercial Grade (STW 600V Cable & E-Lite Sockets)
- ☐ Industrial Grade (Heavy Duty Sockets & SEOW 600V Cable)

E-Lite Socket



- 150W Rated
- Medium Duty
- Good All Around Performance
- 1-1/2" Guard Collar Diameter

Heavy Duty Socket



- 200W Rated
- Heavy Duty Rubberized Feel
- Great Low Temp Operation
- 1-3/4" Guard Collar Diameter

Color

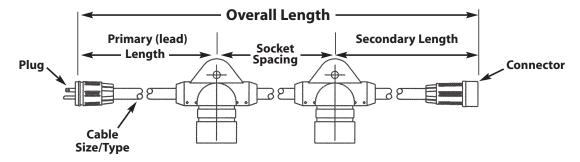
E-Lite Style

- ☐ Black "T" with Yellow Cord
- ☐ Black "T" with Black Cord

Heavy Duty Style

- ☐ Yellow "T" With Yellow Cord☐ Black "T" With Black Cord☐
- ☐ Yellow "T" With Black Cord
- ☐ Black "T" With Black Cord

The drawing below is intended to serve as a reference tool to assist in the specification of your custom assembly.





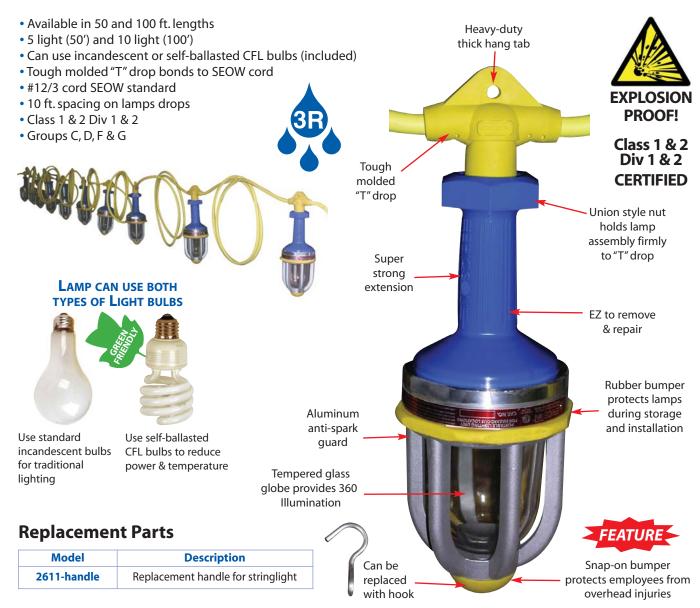
Note: Add "-P" to part number to indicate vinyl coated, grounded wire. 214 has a 1-3/4" diameter collar • 212 has a 1-1/2" diameter collar.

*A complete list of Factory Reps can be found on our website

Note: NEC 590 does not allow the mixing of power & lighting taps on a single GFCI protected circuit.



Hazardous Location Explosion Proof Stringlights



Hazardous Duty Stringlight Selection Guide

, , ,							
Model	Overall Length (ft)	# of Lamps	Lamps Installed	Lamp Center Spacing (ft)	Lead Cord Length (ft)	Plug¹	Connector ¹
12350XPI-BL	50	5			9	blunt u-add	blunt u-add
123100XPI-BL	100	10			9	blunt u-add	blunt u-add
12350XPI-1	50	5			9	5-15P (1510-PW6P)	5-15C (1610-CW6P)
123100XPI-1	100	10	120V Incandescent ²		9	5-15P (1510-PW6P)	5-15C (1610-CW6P)
12350XPI-3	50	5	120V incandescent		9	L5-20P (2310-PW6P)	L5-20C (2410-CW6P)
123100XPI-3	100	10		10	9	L5-20P (2310-PW6P)	L5-20C (2410-CW6P)
12345XPI-1-LP	45	3		10	24	5-15P (1510-PW6P)	5-15C (1610-CW6P)
12365XPI-1-LP	65	5			24	5-15P (1510-PW6P)	5-15C (1610-CW6P)
12350CFLXPI-BL	50	5				blunt u-add	blunt u-add
123100CFLXPI-BL	100	10	120V CEL E-li D3		10	blunt u-add	blunt u-add
12350CFLXPI-1	50	5	120V CFL Edison Base ³		10	5-15P (1510-PW6P)	5-15C (1610-CW6P)
123100CFLXPI-1	100	10				5-15P (1510-PW6P)	5-15C (1610-CW6P)

- 1. Plug is not explosion proof and is intended to be used outside of the hazardous area - do not connect to live powered circuit
- 2. 75W 120V incandescent
- 3. 23 Watt self-ballasted CFL bulb included
- 4. Contact factory for custom assemblies



Class 1, Div. 1 Style Plug & Connector **Available**







400 & 250 Watt Pulse Start Metal Halide Temporary Light Fixture

- Pulse Start ballast meets the requirements of the Energy Independance Act of 2007
- CULUS Listed suitable for damp locations
- Open-air ballast for cooler operation
- Multi-Tap ballast: 120V, 208V, 240V, 277V: Factory wired at 120V
- Base models have 3 ft 18/3 power cord with 5-15P molded plug. Feed thru models have 14/3 molded primary and secondary cords attached. (see chart)
- Clear metal halide pulse type O lamp included (NEC 2008 Compliant)
- Average rated lamp life of over 10,000 hours
- Super bright metal halide lamp has a color temperature of 4000K
- EZ hook with locking feature fixture mounts in seconds, no tools required





Double

bulb stops ruptures

at end

of life

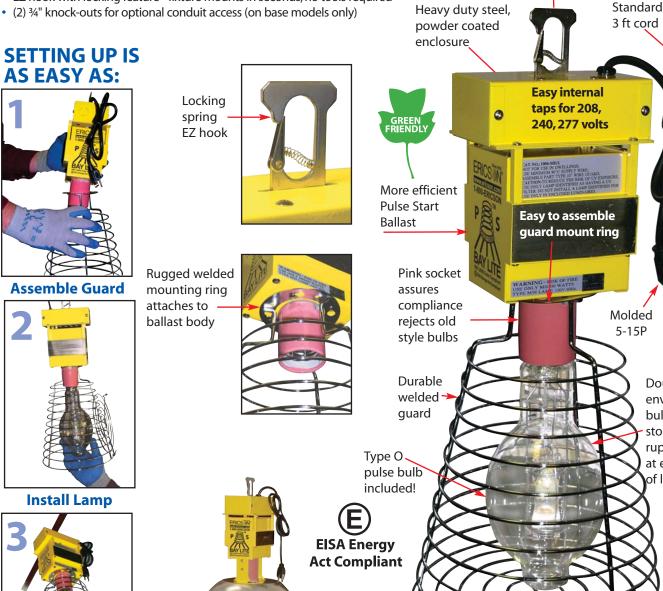
Model 1004-MHXPS

Snap-on bottom guard

Hangs to change bulb

envelope

"One hand" easy to hang locking spring hook



Model 1004-MHX-R16PS

16" Reflector

Hang & Connect





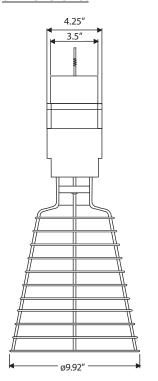
400 & 250 Watt Models Available

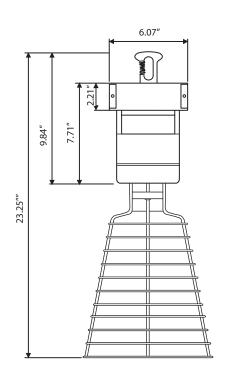




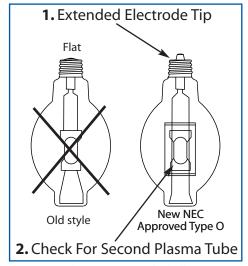
Model 1004-MHX-R16PS 16" Reflector

Dimensions:





Old Style VS New NEC Approved Type O Bulb



Only new type O pulse bulbs will operate in Baylites $^{\text{TM}}$

Specifications

Model	Wattage	Guard	Primary Feed	Secondary feed
1004-MHXPS	400	Open Cage	18/3 3ft 5-15P	N/A
1004-MHX-R16PS*	400	16" alum reflector	18/3 3ft 5-15P	N/A
**1004-MHX-50PS	400	Open Cage	14/3 1ft 5-15P	50 ft 14/3 5-15C
1002-MHXPS	250	Open Cage	14/3 1ft 5-15P	N/A

Replacement Parts

•	
Catalog Number	Description
1004-MHX-LPS	Type O 400W M155 E Pulse Start Bulb
1002-MHX-LPS	Type O 250W M155 E Pulse Start Bulb
1004-MHX-G	Wire guard for 1004-MHXPS
1004-REFL	16" reflector guard kit (retro fit)
1004-MHX-BG	Bottom snap-on guard

NOTES:



^{*} Sold in 2 pack cartons - add "-2" to each order. **CSA only

Descriptions	Page #	Light Duty	Medium Duty Commercial	Heavy Duty Industrial	Vapor Proof Industrial	Explosion Proof - Hazardous Location	120 Volt Models	12 V Models	Incandescent Bulb Models	Fluorescent Bulb Models	U Add- a-Cord Models	Pre-wired Cord Connected Models
2900 Series		•					•		•			•
800 Mini - Lite Fluorescent		•					•			•		•
400 Series Angle		•					•			•		•
500 Series Pivot			•				•			•		•
7 Series Single Bulb			•				•		•		•	•
9 Series Single Bulb			•				•		•		•	•
700 DHH Dual Bulb Series				•			•		•		•	•
70-NG Series					•		•	•	•		•	•
900 Series Fluorescent				•			•	•		•	•	•
926 Series Fluorescent				•			•	•		•	•	•
1917 Series 30 Watt			•				•	•	•			•
1918 Series 30 Watt			•				•	•	•			•
1950 Series 30 Watt				•				•	•			•
1924 Series					•		•	•	•			•
1926 Series						•	•	•	•			•
2200 Series						•	•		•			•
2500 Series						•	•			•	•	•
2600 Series						•	•	•	•	•	•	•



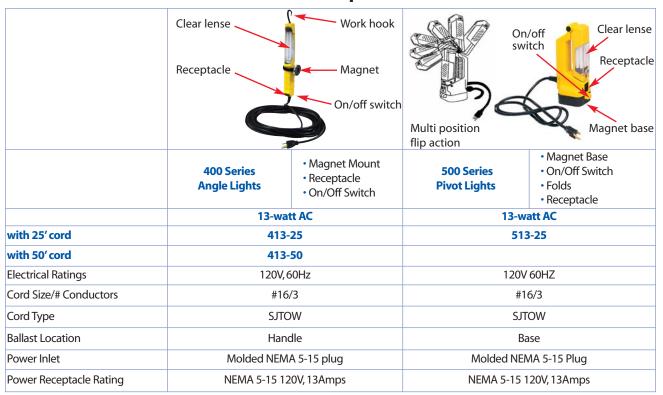








400 & 500 Series Fluorescent Handlamps



Light Duty Fluorescent Handlamps

- Cool glare-free light ideal for close-up work
- Fluorescent tube protected by clear butyrate lens
- Lamp secured by shock-absorbing retainers
- Flexible hook for easy positioning
- Shatter-resistant plastic housing



	15-watt
with 25' cord	801-25
Specifications:	
Electrical Ratings	120V, 60Hz
Replacement lamp	F15T8/CW
Ballast Location	Integral with plug
Plug	NEMA 5-15
Switch	Yes
Overall Length	26
Max. O.D.	2-1/8
Weight	2.5 lbs.

Light Duty Incandescent Handlamps: 2900 Series

For many applications the 2900 Series hand lamp offers an economical alternative and proven performance. Typical applications include general maintenance, construction, remodeling, demolition and repair work.

2900 Series Hand Lamps

- UL & CUL Listed
- Includes switch
- Lightweight and compact 50' cord length with molded
- Handle constructed of
- on NEMA 5-15 plug
- Receptacle in handle high-impact black nylon

	2900 Series
with 25' cord	2925
with 50' cord	2950
Specifications:	
Electrical Ratings	120V, 60Hz
Max. Wattage	100 watt
Cord Size/# Conductors	#16/3
Cord Type	SJTW
Plug	Molded NEMA 5-15 plug
Switch	Yes
Outlet in Handle	Yes (NEMA 5-15)
Reflector Guard	Yes
Swing Open Guard	Yes
Swivel Hook	No





7 & 9 Series Industrial Duty Incandescent Handlamps

- UL Listed and CSA Certified, ETL and CETL Listed
- Molded flexible handle impervious to impact and resistant to jobsite chemicals
- Standard with NEMA 5-15 side outlet (9 Series only)
- Available with optional switch
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Blue color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's 1510-PG Perma-Grip™ plug





SPECIFICATIONS

Material

- Proprietary Rubber
- Lampholder/Cord Entry Seal: Rubber
- Screwshell:Tin-plated brass
- Side Outlet: NEMA 5-15R (900 Series only)

Electrical

Operating voltage: 120V or 12V (bulb choice)

Mechanical

- · Color: Yellow
- Cord Types: SOW
- Up to 14/3 SOW







Need to ensure that your handlamps stay on the jobsite?

Customize with:

- Color
- Handle marking
- Cord marking

ERICSON MANUFACTURING COMPANY NAM. ERICSON.COM 1-800-ERICSON



USE WITH INCANDESCENT OR CFL BULBS

*These lamps have one or more approvals



Code compliant grounding clip is furnished standard on all hand lamps to provide safety ground for wire guards.



Restricted cord opening resists entry of moisture and dirt, accommodates wire sizes # 18/2 SJO through #14/3 SO.

Flexible neck seals around lamp bulb to resist entry of moisture and dirt.

6" long leads #14 AWG

Internal fiber strain relief disc removes tension on wiring connections.

Optional switch available on all hand lamps.

One-piece smooth molded handle insulates and resists grease, oils solvents, extreme temperatures and moisture; smooth surface cleans easily retains radiant yellow safety color over its long life.



Complete Ready To Wire Cord Supplied Lamps







Handlamp Handles w/Guard		mp Handles w/Guard				
Reflector	Switch	Cord Length	Closed-end	Closed-end	Closed-end	Closed-end
No	No	N/A	744	718	944	918
No	No	N/A	744-I	718-I	944-I	918-I
Yes	No	N/A	744-R	718-R	944-R	918-R
Yes	Yes	N/A	744-RS	718-RS	944-RS	918-RS
No	Yes	N/A	744-S	718-S	944-S	918-S

Pre-Wired Models with SOW cord and NEMA 5-15 Plug











				PE	Page	3	F
	No	No	25′	7425	7825	9425	9825
	No	No	25′	7425-l	7825-I	9425-I	9825-I
	Yes	No	25′	7425-R	7825-R	9425-R	9825-R
	No	No	50′	7450	7850	9450	9850
	No	No	50′	7450-l	7850-l	9450-l	9850-l
	Yes	No	50′	7450-R	7850-R	9450-R	9850-R
	No	Yes	25′	7425-S	7825-S	9425-S	9825-S
	Yes	Yes	25′	7425-RS	7825-RS	9425-RS	9825-RS
	No	Yes	50′	7450-S	7850-S	9450-S	9850-S
	Yes	Yes	50′	7450-RS	7850-RS	9450-RS	9850-RS
-1						-	

Specifications:

Electrical Ratings	120V, 60Hz	120V, 60Hz
Cord Size/# Conductors	#16/3	#14/3
Cord Type	SOW	SOW
Plug	NEMA 5-15	NEMA 5-15

Notes:

- 1. Consult factory for custom assemblies
- 2. Bulbs are not furnished with handlamps
- 3. Vinyl insulated guards available: Add "I" to catalog number to specify (not on R models).
- 4. Switch available: Add "S" to catalog Number to specify. Example 7425-R becomes 7425-RS











Lamp Guards for 7 and 9 Series Handlamps

Closed End Wire Guards	3			る個	For PS25 Bulb	For PS25 Bulb	For PS25 Bulb	
No Reflector	104			104-I	118		118-I	
With Reflector		104	I-R	104-1		118-R	110-1	
Max Wattage		100	100W		150W			
Open End Wire Guards				For PS25 Bulb	For PS25 Bulb	For PAR 38 Bulls	38	

107-R

119

Note - These open end guards are no longer certified or listed, per UL 153 Standard. Adding these guards to a handlamp constitutes a product that can't be UL listed.

107-I

150W

Replacement parts

107

No Reflector

With Reflector

Max Wattage

7 Series Handles		9 Series Handles		Socket, Ground Clip & Switch for use with 7 and 9 Series Handles				
						900		
No Switch	With Switch	No Switch with Receptacle	With Switch with Receptacle	Socket with 6" leads	Ground Clip with lead	Switch with weather boot		
Handle Only								
7	7-S	9	9-S	44-W	710	79		
Handle Assembly	andle Assembly (with socket & ground clip)							
7-A	7-SA	9-A	9-SA					



7 Style Handle

- · Molded plug end
- · With ground tab for wire guards
- Socket wired
- Just add guard



9 Style Handle

- Receptacle in handle
- Molded cord plug
- · With ground tab for wire guard

150W PAR38 or 300W type R

150

119-R

300W

150-l

- Socket wired
- Just add guard

7 Style Handle Pre-Wired	Cat.#	9 Style Handle Pre-Wired	Cat.#
Handle With 25 Ft #16/3 SOOW Cord & 5-15 Plug - No Switch	7-A25	Handle With 25 Ft #16/3 SOOW Cord & 5-15 Plug - No Switch	9-A25
Handle With 50 Ft #16/3 SOOW Cord & 5-15 Plug - No Switch	7-A50	Handle With 50 Ft #16/3 SOOW Cord & 5-15 Plug - No Switch	9-A50
Handle With 25 Ft #16/3 SOOW Cord & 5-15 Plug - With Switch	7-SA25	Handle With 25 Ft #16/3 SOOW Cord & 5-15 Plug - With Switch	9-SA25
Handle With 50 Ft #16/3 SOOW Cord & 5-15 Plug - With Switch	7-SA50	Handle With 50 Ft #16/3 SOOW Cord & 5-15 Plug - With Switch	9-SA50



Rubberized Handlamp Without Transformer

12 Volt AC

Low voltage hand lamps	Model
with 50' cord (5-15 plug)	1946-12
with 50' cord (CF plug)	1946-12CF
Primary Voltage	12-14 VAC
Maximum Wattage	100 watts
Cord Type	#14/3 SOW

Consult factory for custom assemblies

12VAC Model (744 Style) 1946-12





Requires 12-14 VAC source

Low Voltage Transformers

Ericson's Heavy duty isolation-type low voltage transformers feature low voltage safety and extreme weather resistance. Designed for



demanding environments, these transformers withstand long periods of rugged use. Available in 12 Volt models with either 2 or 4 outlets. Each outlet is covered by Ericson's flip seal cover to provide added protection against the most extreme environments

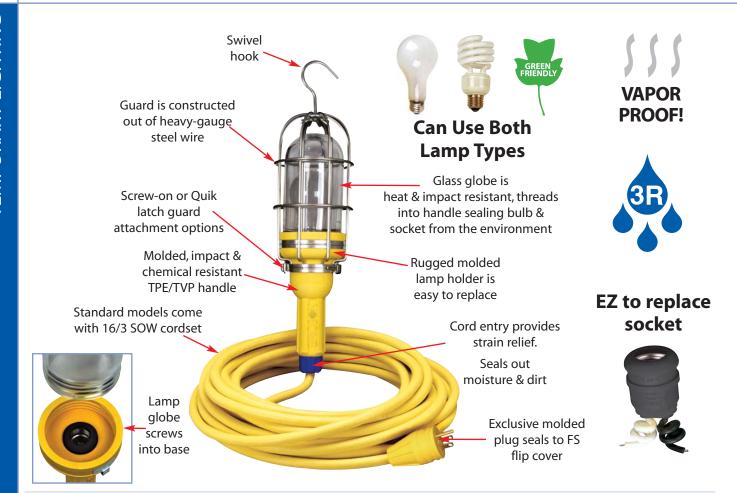
such as: boiler inspection, work inside drums, tanks and vessels. In damp, confined locations it is imperative that line voltage be reduced to eliminate the hazards of shorts and shock and to meet the requirements of OSHA/NEC/CEC.

See the complete details of these transformers on page 96









SPECIFICATIONS

Vapor-Gard® Handlamps: 70N Series

- Molded handle impervious to impact and resistant to jobsite chemicals
- Glass globe is heat and impact resistant and threads into handle sealing bulb and socket
- Guard is constructed out of heavy-gauge steel wire and finished with a Zinc-Chromate plating to resist corrosion
- Optional Quik-Latch guard makes bulb changes easy – No tools required
- Cord entry provides strain relief and seals out moisture and dirt
- Wide selection of pre-wired handlamps and component parts
- Ericson's exclusive Safety Yellow and Blue color combination for easy identification
- Prewired models come with #16/3 SOW cord and Ericson's molded sealing plug

Material

- Proprietary Rubber
- Lampholder/Cord Entry Seal:TPE
- Screwshell: Tin-plated brass
- Lamp Guard Plating: Zinc-chromate

Electrical

- Operating voltage: 120V or 12V
 Mechanical
 - Can use cord types: up to 12/3 SOW



Vapor-Gard® Hand Lamps Are Grounded Not Available With Switch

Meet OSHA Requirements: 1926.403(g) 1926.405(j)(iii)

Meet National Electrical Code Requirements. 410-42(a) (b) 410-44 410.82 410.62



70NG Series Handlamps

		•					
Catalog Number	Cord Length	Cord Type *	Plug	Guard Type	Reflector	Vinyl Coated	Voltage**
70-NG	u-add	u-add	u-add	702	No	No	12 - 240V
70-NGR	u-add	u-add	u-add	702-R	Yes	No	12 - 240V
70-NGQL	u-add	u-add	u-add	703	No	No	12 - 240V
70-NI	u-add	u-add	u-add	704	No	Yes	12 - 240V
70-NI25	25	#16/3 SOW	Molded-on 5-15P	704	No	Yes	125V
70-NI50	50	#16/3 SOW	Molded-on 5-15P	704	No	Yes	125V
70-NG25	25	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NG50	50	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NG100	100	#16/3 SOW	Molded-on 5-15P	702	No	No	125V
70-NGR25	25	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGR50	50	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGR100	100	#16/3 SOW	Molded-on 5-15P	702-R	Yes	No	125V
70-NGQL25	25	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
70-NGQL50	50	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
70-NGQL100	100	#16/3 SOW	Molded-on 5-15P	703	No	No	125V
1948-12	50	#14/3 SOW	Molded-on 5-15P	703	No	No	12 Volt***
1948-12CF	50	#14/3 SOW	1507-P Crowsfoot	703	No	No	12 Volt***
1948-12CFR	50	#14/3 SOW	1507-P Crowsfoot	702-R	Yes	No	12 Volt***

^{*} Ericson uses Extra Hard Use 600V cord to ensure long lasting performance and sized to the electrical load ampacity

^{*** 12} Volt Incandescent Bulb included - "1948" models only















Replacement Parts

Description	Catalog Number
Screw-release guard, no reflector	702
Quik-Latch guard	703
Screw-release guard, vinyl coating	704
Glass globe	707
Handle only, no socket, no cord nut/grommets	708
Socket with pigtails	44-W
Repair Kit with socket tool	712
12V 75W incandescent bulb	1935-12









^{**} Voltage is determined by the bulb used. - Bulbs not included with "70" series handlamps

Industrial Fluorescent Handlamps

Ericson's Portable Fluorescent Hand Lamps are ruggedly constructed for service in industrial applications, construction, shipbuilding, public utilities, paper mills, food processing, chemical plants and other areas where a rugged cool, non-glare lamp is needed.

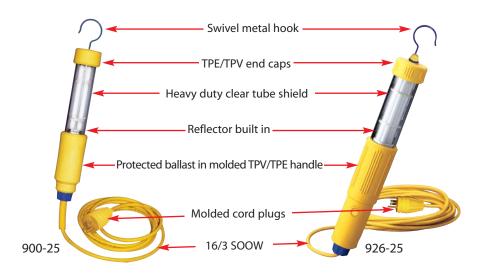
Features

- OSHA Compliant Meets OSHA regulations for wet and other conductive locations.
- Cool, Glare Free Light Ideal for those applications where hot, glaring light can be a hazard.
- **Switch (optional)** Heavy duty rubber boot, push on/off operation, seals out water.
- Field Serviceable Field repairs are quick and convenient with a wide-range of replacement parts.
- Rubberized Handle is non-conductive, non-corrosive and easy to grip.
- Flex Strain Relief Provides added protection for cord at critical bending points.
- High -Visibility dual-color safety system for easy identification on the jobsite
- Lightweight Non-conductive construction with high-impact lens.
- Ballast Enclosed in handle, so it's easy to move around the jobsite.
- Plug Molded on sealing plug mates with water tight.





Industrial Fluorescent Handlamps



900 Series-Fluorescent Work Lights

	13 Watts	26 Watts
with 25 ft. cord - no switch	900-25	
with 50 ft. cord - no switch	900-50	
without Cord - no switch	900-L0	926-L0
with 25 ft. cord and switch	900-25\$	926-25
with 50 ft. cord and switch	900-50S	926-50
without Cord - switch	900-L0S	926-L0
Specifications		
Electrical Ratings	120V, 60Hz	120V, 60Hz
Primary Cord Length	see above	see above
Ballast Location	Handle	Handle
Cable Gauge/Type (Base Units Only)	#16/3 S00W	#16/3 S00W
Molded on Plug	NEMA 5-15	NEMA 5-15
Bulb Type	F13DBX23T4/SPX41	F26DBX/SPX41
Initial Lumens	825	1710
Color Rendition Index (CRI) (2)	82	82
Color Temperature (K) (3)	4100	4100
Avg. Rated Bulb Life (Hours)	10000	10000
Low Temp Start	32 °F (0 °C)	10 °F (-12 °C)
Fixture Weight (w/ 25ft cable)	2.5 lb	1.87 lb
Replacement Parts	900 Style	926 Style
End cap with hook, replacement	901	926-EC
Tubeshield, replacement	902	926-TS
Lamp T5 13W OR 26W, replacement	903	926-CF
Cushion, lamp, kit (Model lamp specific)	904	926-RS
Handle w/ ballast & socket - 25' cord set	905	926-BAL25
Handle w/ ballast & socket - 50' cord set	906	926-BAL50
Cordset replacement, both models 120V 25'	926-CRD120V25	926-CRD120V25
Cordset replacement, both models 120V 50'	926-CRD120V50	926-CRD120V50

Notes:

- 1. Consult factory for custom assemblies
- 2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the more true the color appears (ie grey vs green)
- 3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

Note: Products shown on this page may not be listed.

4. LO models are not UL listed







926 Series Low-Voltage Fluorescent Handlamps

The next generation of OSHA Compliant temporary lighting is now available. Low Voltage Fluorescent Fixtures are an ideal alternative to the hot, glaring light produced by incandescent fixtures.

OSHA 1926.405(a)(2)(ii)(G): "Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less.

- OSHA Compliant Meets OSHA regulations for confined space requirements.
- Outdoor Use Fixture is rated or demanding outdoor & in-plant environments.
- Cool, Glare-Free Light Ideal for those applications where hot, glaring light can be a hazard.
- Switch (optional) Heavy duty rubber boot, push on/off operation, seals out water.
- Field Serviceable Field repairs are quick and convenient with a wide-range of replacement parts.
- Rubberized Handle is non-conductive, non-corrosive and easy to grip.
- Flex Strain Relief provides added protection for cord at critical bending points.
- High-visibility dual-color safety system for easy identification on the jobsite
- Lightweight non-conductive construction with high-impact lens.

•	Ballast -	Enclosed in handle, so it's easy to r	move around the jobsite.

26 Watt Low-Voltage Fluorescent Handlamps			
w/ 25 ft. cord	926-25LV ⁽³⁾		
w/ 50 ft. cord	926-50LV ⁽³⁾		
Specifications:			
Electrical Ratings	12VAC/26 Watt		
Ballast Location	In Handle		
Switch Location	In Handle		
Cable Gauge/Type	#16/3 SOOW		
Plug (Crowsfoot ())	1507-PW6P		
Bulb Type	F26DBX/SPX41		
Initial Lumens	1710		
Color Rendition Index (CRI) (1)	82		
Color Temperature (K) (2)	4100		
Avg. Rated Bulb Life	10,000 hours		
Low Temp Start	10F (-12C)		
Fixture Weight:	1.87 lbs		

Notes:

- Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the more true the color appears (ie grey vs. green)
- Sunlight is simulated with a light that is about
 5000 K. The higher the number the whiter the light
 For use with 12VAC power source: Fricson CF Series
- 3. For use with 12VAC power source; Ericson CF Series transformers
- 4. Also available in a DC version. Consult factory for custom assemblies





120V to 12V Transformer Can Operate 2 Lamps

Requires low voltage

transformer



47 Series In-Room Lights

Ericson introduces an alternative to mid construction lighting with our 47 Series of single in-room lights for construction sites. If the rigid is in place, wired and you need lighting for other trades, here is a quick easy answer.

- Easy to hang with a 3/4" rigid clamp or attach to existing job box
- Fluorescent units come with an electronic smart ballast
- Smart ballast has long bulb life compensation and cold temp compensation
- Open wire guard protects bulb and meets OSHA requirements
- Edison base unit can use CFL bulb for lower "green" energy conservation



26 Watt **Fluorescent Fixture** 47FL



Single Bulb Fixture









Up to 150 watt

4780

Socket without job box



Bulb included Fits standard 4" job box





Part #	Description
47FL	Single Drop Light, 26W Fluorescent, Complete Assembly w/ Job Box and Hanger
47F	Single Drop Light, 26W Fluorescent, w/o Job Box
4780F	Single Drop Light, Edison Socket Base, Complete Assembly w/ Job Box and Hanger
4780	Single Drop Light, Edison Socket Base, w/Guard, w/o Job Box
4744	Single Drop Light, Edison Socket Base, w/6" Leads
44W	Single Socket w/6" Leads
211	Bulb Guard, Welded Wire, Zinc Coated, Screw Clamp
04201	Plastic Bulb Guard, Snap On

CAN USE BOTH TYPES OF LIGHT BULBS

Bulb not included



Use standard incandescent bulbs for traditional lighting

Use self-ballasted CFL bulbs to reduce power & temperature





Industrial Low Voltage Handlamps, Spot Lights/Floodlights

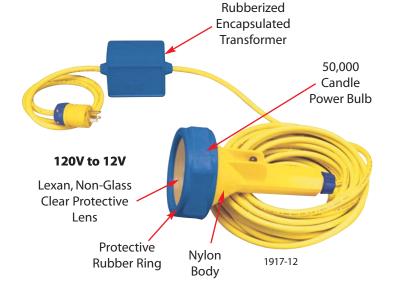
Ericson's Industrial Low voltage Spot and Flood handlamp has many features for specific applications that require the highest quality rugged lighting.

- All non-metallic construction
- Non-glass lens for food & beverage processing work
- Can be mounted to an electric cord reel (call for details)
- Large rubberized cushion will not mare or scratch surfaces
- Drop and abuse resistant design and construction
- Switch has all weather boot covering for water tight operation
- Rubberized sealed inline transformer assembly converts 120 to 12 VAC
- High output 50,000 candle power lamp draws only 30 watts

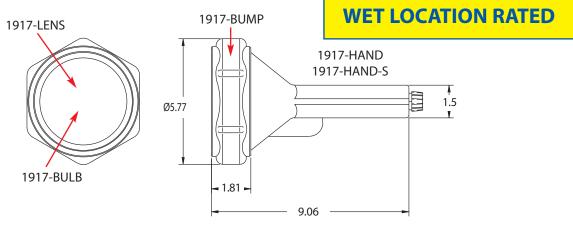
GREAT FOR:

- Food processing
- Beverage tanks
- Beer, wine, spirit distilling

	12 Volt, 30 Watts	
	w/out switch	w/ switch
Spotlights	1917-12	1917-12S
Floodlights	1918-12	1918-12S
Specifications:		
Primary Voltage	120VAC,60Hz	120VAC, 60Hz
Secondary Voltage	12VAC	12VAC
Maximum Wattage	30 watts	30 watts
Primary cord gauge & type	#16/3 SOW	#16/3 SOW
Primary cord length	4 ft.	4 ft.
Secondary cord gauge & type	#16/3 SOOW	#16/3 SOOW
Secondary cord length	50 ft.	50 ft.
Plug	NEMA 5-15	NEMA 5-15



Consult factory for custom assemblies



Replacement Parts

Catalog Number	Description	
1917-LENS	Lens - Lexan, non-glass	
1917-CORD	Complete cord & transformer assembly (both 1917 & 1918)	
1917-HAND	Handle assembly without cord assembly	
1917-HAND-S	Handle assembly with switch without cord assembly	
1917-BULB	50K candle power spot 30W 12V	
1917-BUMP	Bumper protective ring	
1918-BULB	50K candle power flood 30W 12V	



Extension Lights for Secondary Side of Transformers

Tough non-metallic design and non-glass lens makes this 12V Extension Light an excellent choice for all food and beverage processing facilities that require low voaltage confined space tank entry and inspection. 2 Models are available with standard NEMA 5-15 and Ericson's Exclusive "Crowsfoot" plug for low voltage operations. The lights connect to our 1940 & 1941 Series Low Volatge Transformers for easy plug-n-play operation. Built tough to last job after job.



	1950-12	1950-12 CF ²
Specifications:		
Input (primary) voltage	12 VAC	12 VAC
Cord gauge/type	#16/3 SOW	#16/3 SOW
Cord length	50 ft.	50 ft.
Plug	NEMA 5-15	Crowsfoot 🕠
Included lamp	12 V/30 watt	12 V/30 watt

NOTES: 1. Contact factory for custom assemblies

2. Factory wired with water tight crowsfoot plug to mate with CF series transformers

See next page for larger 12V transformers

Single-Tap In-line Low-Voltage Transformer

- · Ideal for when you need only one outlet
- Converts 120VAC/60Hz to 12VAC (30VA max)
- Compact size is easy to use, store and transport
- Complies with OSHA requirement 1926.405(a)(2)(ii)(G)
- For use with 1950 or 926LV series handlamps





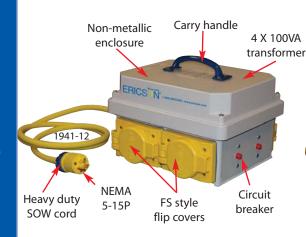
	CF Series transformers feature
	CF Series transformers feature non-NEMA crowsfoot receptacles.

Catalog Number	Description
LVT-12-ST	Low voltage transformer, 12Volt, 5-15 plug & single tap
LVT-12-STCF	Low voltage transformer, 12Volt, 5-15 plug & single tap non-NEMA crowfoot connector









Low Voltage Transformers

Ericson's Heavy duty isolation-type low voltage transformers feature low voltage safety and extreme weather resistance. Designed for



demanding environments, these transformers withstand long periods of rugged use. Available in 12 Volt models with either 2 or 4 outlets. Each outlet is covered by Ericson's flip seal cover to provide added protection

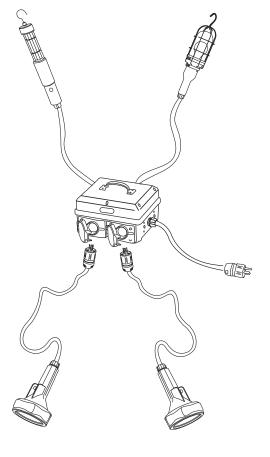
against the most extreme environments such as: boiler inspection, work inside drums, tanks and vessels. In damp, confined locations it is imperative that line voltage be reduced to eliminate the hazards of shorts and shock and to meet the requirements of OSHA/NEC/CEC.

- Transformers convert 120VAC/60Hz line voltage to 12VAC
- Corrosion resistant enclosures are made from nonconductive engineering resin so they are resistant to impacts, and jobsite chemicals such as acids, alkalines, oils and salts
- NEMA 5-15 outlets are rated at 100va each (CF models use crows foot style)
- Outlets operate independently of each other 4 x 100va outputs
- Circuit breakers wired individually to each receptacle and operate independently of each other – if one circuit opens the other continues to operate

	12 Volt Transformers	
With NEMA 5-15 Outlets	1940-12	1941-12
With Non-NEMA Crowsfoot Outlet	1940-12CF	1941-12CF
Specifications:	200 VA	400 VA
Number of Outlets (lamps)	2	4
Outlet Configuration (1)	NEMA 5-15 👔	Crowsfoot 🕔
Input (primary) voltage	120V/60Hz	120V/60Hz
Output (secondary) voltage	12V, 200VA (2 x 100VA)	12V,400VA (4 x 100VA)
Outlet Rating (each)	10Amp/100VA	10Amp/100VA
Cord gauge/type	14/3 SOW	14/3 SOW
Cord length	6 ft.	6 ft.
Plug (1)	NEMA 5-15	NEMA 5-15
Enclosure Environmental Rating	TYPE 4	TYPE 4
Dimensions (in) (LxWxH)	7 x 7 x 6-1/2	11 x 9 x 6-1/2
Weight (lbs)	13.5	22.5

NOTES: 1. Contact factory for custom assemblies





Many Low Voltage Lamps To Choose From...

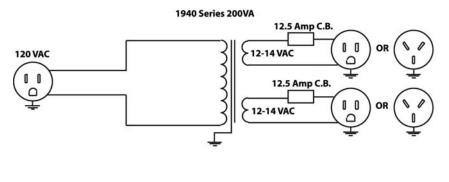


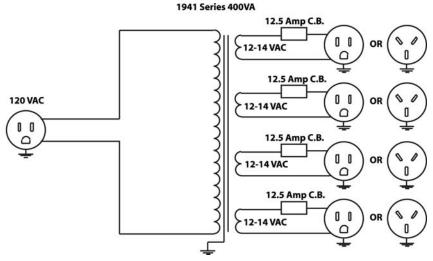


1948-12

1950-12

926-25 LV





Note: Replacement parts must be installed by a qualified electrician. Replacement pats are for OEM repair and not for use in any other device or manner. User assumes all responsibility for any use other than repair of original Ericson equipment. Misuse may lead to damage of other equipment.



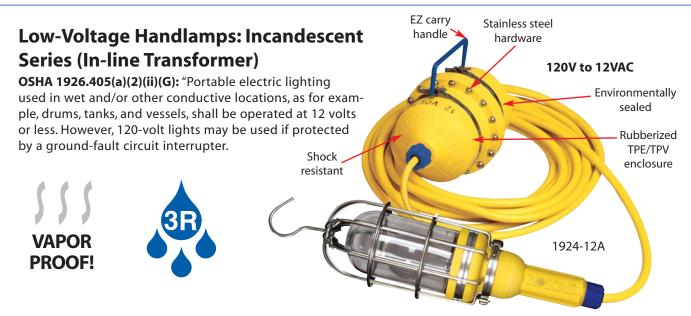
Replacement Parts

Description	Cat. No.
12 volt transformer only for 1940-12	1943-12
12 volt transformer only for 1941-12	1945-12
Flip assembly with receptacle (5-15R)	2715-FS10
Flip assembly with receptacle (crowsfoot)	2715-FS07
Circuit breaker (12.5 amp)	194XCB

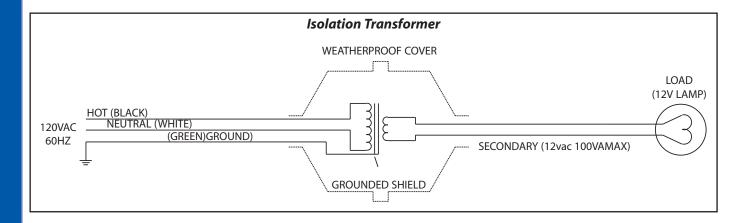


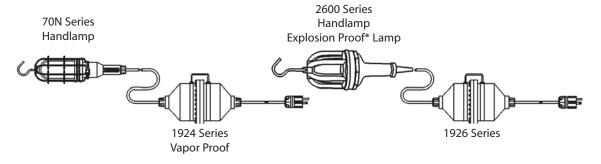






- Ericson's handlamps meet OSHA regulations and create a safer working environment
- Step-down transformers reduce 120VAC line voltage to 12VAC
- Extra-thick walled rubber housing with non-corrosive stainless steel hardware protects transformer from jobsite contaminants
- Transformers incorporate a grounded metal shield between primary and secondary windings to ensure the two voltages are isolated providing an added degree of protection
- Each transformer is subjected to a factory dielectric test of 1600 volts between primary and secondary windings and between each winding and ground to ensure safety
- High-visibility dual-color safety system for easy identification on the jobsite
- 1924 Series is vapor proof only







NOTES: *1926 lamp assembly only is certified Class 1 & 2, Div 1 & 2. Transformer is not hazardous location rated. Consult factory for custom assemblies

Low Voltage Lighting: Incandescent Series

120 Volt AC To 12 Volt AC		
Low voltage hand lamps	Vapor Proof	Explosion Proof*
with 25' secondary cord	1924-12A	1926-12A
with 50' secondary cord	1924-12B	1926-12B
Specifications:		
Primary Voltage	120V, 60Hz	120V, 60Hz
Secondary Voltage	12V	12V
Maximum Wattage	100 watts	75 watts
Primary cord gauge & type	#16/3 SOW	#16/3 SOW
Primary cord length	10 ft.	10 ft.
Secondary cord gauge & type	#14/3 SOW	#14/3 SOW
Plug	NEMA 5-15	NEMA 5-15

NOTES: *1926 lamp assembly only is certified Class 1 & 2, Div 1 & 2. Transformer is not hazardous location rated. Consult factory for custom assemblies



Replacement Parts

Description	Catalog Number	
12V transformer only - 100VA	1931-12	
Transformer housing only:	1932	
includes stainless steel bolts		
& cord grip bushings		
Carrying handle with straps	1933	
12V, 75 watt incandescent bulb, A-21	1935-12	
for use with 1922, 1924 & 1926 Series		

I CEM WHAT & TRING COPPANY WAS PRICEDY COM I SOUL PRICEDY **NEED AN ENGINEERED SOLUTION?** HAVE THE CORD MARKED FOR

Call for details

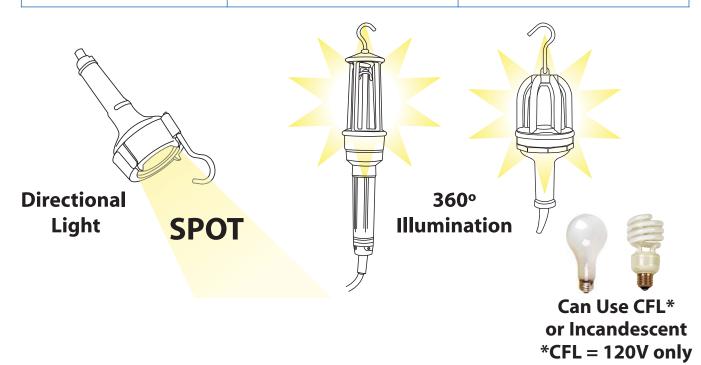
Call for details **Call Us Today!**







2200 Series	2500 Series	2600 Series
Spot bulb Lightweight Hook for light placement Class 1, Div 1 Group D 100,000 candle power 50 watts	 Ballast in handle 26W QuadT5 CFL bulb Long thin design for hard to reach areas Class 1 & 2 Div 1 & 2 Groups C, D, F, G 	 Incandescent or CFL bulb EZ to replace parts New cord grip & strain relief Up to #12/3 SO cord 12 volt or 120 volt Class 1 & 2 Div 1 & 2 Groups C, D, F, G
12 Volt	120 Volt	120 or 12 Volt*
2200 Series	2500 Series	2600 Series





12 Volt

2200 Series

Class I, DIV 1 Group D

- UL Listed and CSA Certified
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cable cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- High-impact tempered glass globe threads directly into specially designed handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook



	2200 Series Spotlight
Handlamp Only	2200
w/ 25 ft. cord, 16/3 SOOW	2225
w/ 50 ft. cord, 16/3 SOOW	2250
Specifications:	
Environments	Class I, Group D
Primary Voltage (3)	12 V
Maximum Wattage	50 watts
Primary cord gauge & type	#16/3 SOOW
Plug (1)	Molded 5-15P
Guard	Cast Aluminum
Globe	Tempered Glass
Handle	Glass reinforced phenolic

NOTES:

- 1. Plug is not explosion proof and is intended to be used outside of the hazardous area.
- 2. Contact factory for custom assemblies
- 3. Requires 12-14V AC source

50 WATTS 100,000 CANDLE **POWER**

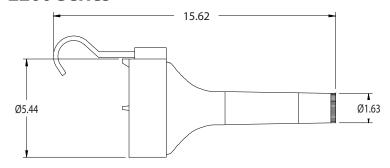
T3C RATED

Replacement Parts

2201	Replacement lens only	
2202	Replacement guard assembly (no lens)	

Requires a 12-14VAC Source

2200 Series













Hazardous Duty Incandescent and Fluorescent Handlamps

- UL Listed for Class 1 & 2, Div 1 & 2 locations
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief and cord clamp to provide superior water resistance at cord entry
- Cable cord clamp can be inspected or adjusted without disassembly of handle
- Handle construction provide superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features 360° swivel hook





Temp Rating T6

Class 1 & 2 Div1&2 CERTIFIED

2500 Series Fluorescent



Hazardous Duty Handlamps Selection Guide

	2500 Series
Handlamp Only	2500
Handlamp with 25' cord	2525
Handlamp with 50' cord	2550
Specifications:	
Environments	Class I, Divs 1 & 2, Group C, D
	Class II, Divs 1 & 2, Group F, G
Electrical	120V/60Hz
Maximum Wattage	26 watts
Cord gauge & type	#16/3 SOW
Plug (1)	NEMA 5-15
Guard	Cast Aluminum
Globe	Tempered Glass
Handle	Glass reinforced phenolic

Need a **Different Cord** Length?

Contact Us

NOTES:

- 1. Plug is not explosion proof and is intended to be used outside of the hazardous area
- 2. Contact factory for custom assemblies











Replacement Parts

	2500 Series
Guard / Globe Assembly (all models)*	2401
Handle Assembly w/ ballast & socket 26 W	2503
Lamp, 26 Watt 4 Pin	2502
Cord Grip Assembly w/ tool (all models)	2409
Inner Plug assembly only (all models)	2407
Guard Bumper Set (all models)	2406

^{*} Note: Due to the extremely tight tolerances and special tools required to seal the globe to the aluminum guard, we cannot offer the glass globe as a single replacement part. Only certified factory rebuild of the guard/globe assembly maintains the hazardous location certification.











Hazardous Duty Incandescent and Fluorescent Handlamps

- ETL Listed & certified
- Lightweight construction features non-sparking aluminum guard and non-conductive, high-impact glass reinforced handle
- Designed for applications requiring weather resistant or spark resistant construction
- Unique cord restraint seal system includes flex relief to provide superior water resistance at cord entry
- Accommodates #14/3 to #12/3 types S, SO, ST or STO cords
- High-impact tempered glass globe threads directly into specially designed guard assembly
- Handle construction provides superior strength and high insulation properties
- Resistant to heat up to 300° F and withstands chemicals, acids and chipping
- Heavy-duty aluminum guard features swivel hook
- Incandescent handlamp accommodates up to 100 watt bulb
- Easy to replace parts
- Class 1 & 2 Div 1 & 2
- Groups C, D, F & G

Temp Rating T3C with 100 Watt Incandescent -20°C to 40°C Ambient

WET LOCATION RATED





** Check size of bulb

Hazardous Duty Handlamps Selection Guide

	2600 Series	2600 Low Voltage ²	2600 Fluorescent ³
Handlamp Only	2600	2600-LV	2600-CFL
Handlamp with 25' cord (1) 16/3 SOOW	2625	2625-LV	2625-CFL
Handlamp with 50' cord (1) 16/3 SOOW	2650	2650-LV	2650-CFL
Handlamp with 100' cord (1) 16/3 SOOW	26100	26100-LV	26100-CFL
Specifications:			
Electrical	120VAC	12VAC	120VAC
Maximum Wattage	100 W	75W	23 Watt Self Ballast CFL
Cord gauge & types	#16/3 SOOW	#16/3 SOOW	#16/3 SOOW
Plug (1)	5-15	5-15	5-15

NOTES:

- 1. Plug is not explosion proof and is intended to be used outside of the hazardous area
- 2. 12V bulb included
- 3. 23 Watt self-ballasted bulb included
- 4. Contact factory for custom assemblies
- 5. Ericson uses extra hard usage cord to ensure long life and sized to the electrical load













1935-12 12V

Replacement Parts

	2600 Series
	Fluorescent
Guard & globe assembly	2601
Lamp, SB 23W CFL Edison base* (6 pk)	2602
2600 handle only	2603
2600 cord strain relief kit	2604
2600 replacement base & socket assembly	2605
Snap-on reflector	2606
Hook assembly	2607
12 V incandescent bulb 75W	1935-12

	Other Plug Options For XP Service	
Crouse Hinds		BP49
	Killark	UGP-15231
	Killark	UGP-15231MG

^{*}NOTES: Sold in packs of 6 lamps only









SunTower™

Your Portable Wide Area Lighting Solution in one easy to use assembly -The SunTower™ Light System. All units include a durable mobile base & large stadium style fixtures which are available with twin 750W MH lamps (SL15NW model) or single 1000W MH lamp (SL1NM model). Fully adjustable weatherproof fixtures can be directed 360 degrees to where you need ample light most and are mounted on a telescopic tower raising up to 12 ft. The twin SL15NW model includes an easy to operate automatic brake winch to adjust tower height and independent weatherproof ON/OFF switches for each fixture. The SL1NM model has a weatherproof ON/OFF switch plus a GFCI protected receptacle for your power needs. Both models are cULus listed, meet OSHA standards and include an industry first integrated safety system shutting off lamps in case of tip over preventing potential fire hazard.





Selection Guide

Cat.#	Description	Generator Set	Tower Type
SL1NM	SunTower Light, Single 1000W MH, Manual Lift Tower 2 Wheeled Cart, No Generator - cULus Listed	n/a	12' Manual Extension Tower
SL15NW	SunTower Light, Dual 750W MH, Winch Lift Tower 2 Wheeled Cart, No Generator - cULus Listed	n/a	12' Winch Extension Tower
SL15GW	SunTower Light, Dual 750W MH, Winch Lift Tower 2 Wheeled Cart, w/3KW Generator	3KW	12' Winch Extension Tower
SL-L1000	1000 Watt Replacement Lamp For Suntower	n/a	Single Lamp Models
SL-L-750	750 Watt Replacement For Suntower	n/a	Twin Lamp Models
SL1WG	Wire Guard	n/a	All Models
SL-REFL	Replacement Reflector	n/a	All Models
SL-FIXT	Light Assembly Replacement - includes light fixture and U bracket for SL1NM or SL15NW	n/a	All Models
SL1NMBase	Replacement Base for Single MH lamp Model - includes main power cord & connector cord	n/a	12' Manual Extension Tower
SL1NMMast	Replacement Mast for Single MH lamp Model - includes (2) safety locking pins	n/a	12' Manual Extension Tower
SL1NMFixture	Replacement Fixture for Single MH lamp Model - includes light fixture, U bracket, connecor cord and T-bar	n/a	12' Manual Extension Tower
SL15NWBase	Replacement Base for Twin MH Lamp Model - includes main power cord & connector cord		12' Winch Extension Tower
SL15NWMast	Replacement Mast for Twin MH Lamp Model - includes winch		12' Winch Extension Tower
SL15NWFixture	Replacement Fixture for Twin MH Lamp Model - includes light fixture, U bracket, connecor cord and T-bar	n/a	12' Winch Extension Tower



1100 and 1200 Series Wide Area Lighting

These portable overhead lights have been engineered to meet the need for safe, temporary, economical lighting for large area. Their versatility provides for base unit and feed-through unit use to meet virtually any wide area lighting requirement. Heavy-duty construction and high lumen output make these lights ideal for a broad range of applications including manufacturing plants, airline maintenance hangers, ship building, food processing plants, utilities, breweries, general maintenance and construction plus many more. The 1100 Series uses high output T8 fluorescent tubes while the 1200 Series uses long-life biaxial tubes for a smaller unit where space is major concern.

- Overhead fluorescent lighting designed for temporary lighting in large areas
- Variety of models available including feed-through units that allows you to "daisy-chain" several lights in a row
- Heavy-duty construction and high lumen output
- Lower operating costs versus incandescent lighting means savings for you
- Industry proven cord grip provides strain relief and seals out water, dust and other jobsite contaminants
- Safety yellow and blue for easy identification
- Rapid start lamps and electronic ballast (1140 is multivoltage)
- Impact resistant tube-shield
- Moisture and dust resistant construction seals out contaminants
- One inch wide nylon straps serve as heavy duty hangers and are flexible and adjustable
- Each hanger comes with nickel-plated heavy hooks for corrosion resistance

MULTIVOLTAGE

Automatically Operates at 120 to 277 VAC 50 or 60 Hz *1142 only

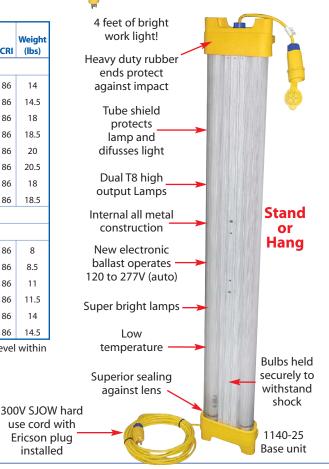






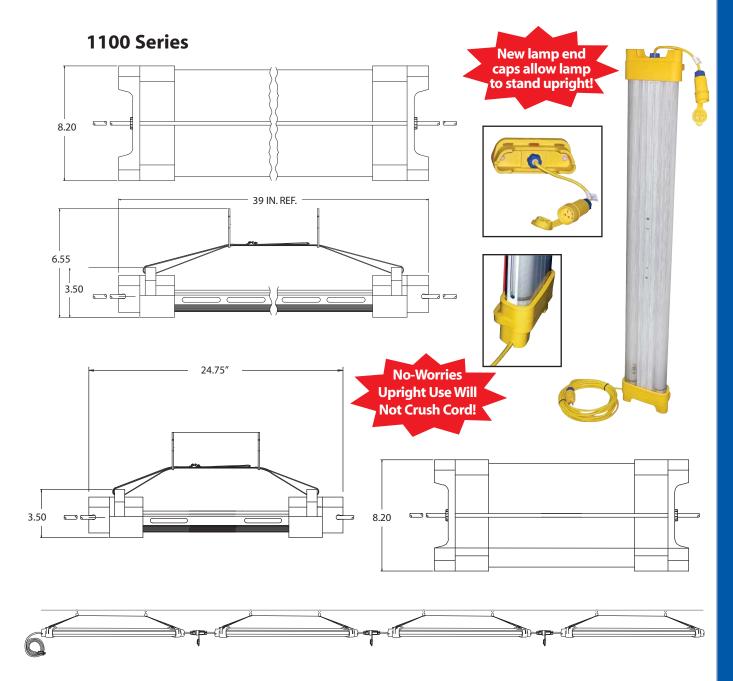
Model Number	Electrical Ratings	Primary Cord Length (ft)	Secondary Cord Length (ft)	Plug	Secondary Connector (NEMA)	Bulb Type	Lumens	CRI	Weight (lbs)
			1140 Sei	ries					
1140-4	120V* 60Hz	4	n/a	5-15		T8 32W	6000	86	14
1140-4F	120V* 60Hz	4	1	5-15	5-15	T8 32W	6000	86	14.5
1140-25	120V* 60Hz	25	n/a	5-15		T8 32W	6000	86	18
1140-25F	120V* 60Hz	25	1	5-15	5-15	T8 32W	6000	86	18.5
1140-50	120V* 60Hz	50	n/a	5-15		T8 32W	6000	86	20
1140-50F	120V* 60Hz	50	1	5-15	5-15	T8 32W	6000	86	20.5
1142-25	120 to 277V* 50/60 Hz	25	n/a	(1)	(1)	T8 32W	6000	86	18
1142-25F	120 to 277V* 50/60 Hz	25	1	(1)	(1)	T8 32W	6000	86	18.5
Current Dr	aw: .46 @ 120V .2Amp	@ 277V							
			1239 Sei	ries					
1239-4	120V* 60Hz	4	n/a	5-15		F39BX	5700	86	8
1239-4F	120V* 60Hz	4	1	5-15	5-15	F39BX	5700	86	8.5
1239-25	120V* 60Hz	25	n/a	5-15		F39BX	5700	86	11
1239-25F	120V* 60Hz	25	1	5-15	5-15	F39BX	5700	86	11.5
1239-50	120V* 60Hz	50	n/a	5-15		F39BX	5700	86	14
1239-50F	120V* 60Hz	50	1	5-15	5-15	F39BX	5700	86	14.5

^{*}The electronic ballast in the 1140/1142 series automatically adjusts to any voltage level within the range 120 to 277 Volts.





⁽¹⁾ shipped without the plug and connector



Replacement Parts

	1100 Series	1200 Series
Tubeshield	1140-TS	1239-TS
Replacement Fluorescent Tube	1140-FT	1239-FT
End cap with cord grip bushing for 1100 & 1200 Series. Can be used for primary side and secondary side with feed through	1100-P	1100-P
End cap <u>less</u> cord grip bushing for 1100 and 1200 Series. Can be used for secondary side of base units only	1100-S	1100-S







1000 Series High Pressure Sodium Wide Area Magnet Mount Light

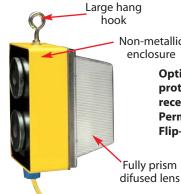
For the ultimate in durability, choose from Ericson's Premier™ line of High Pressure Sodium Lighting Fixtures. Choose from a variety of standard models or specify a custom fixture to meet your exact requirements.

- UL listed and CSA certified
- Impact-resistant molded polycarbonate housing
- Impact-resistant, high temperature clear lens
- Blondel Prisms on inner surface to provide optimum light diffusion
- Available with a 70 watt high-pressure-sodium
- Dual magnets for secure mounting on metal surfaces
- Integral eye-hook for overhead mounting
- #14/3 SJOW cord supplied standard
- HPS model available with optional receptacle, GFCI or both
- Supplied with 70W lamp



1000-LRK





Non-metallic enclosure **Optional GFCI** protected receptacle with Perma-Tite Flip-Seal Cover Fully prism





Inside view 70 Watt HPS

1000 Series HI	1000 Series HPS Wide Area						
Model	Voltage	Cord Length	Location Rating	With Non- GFCI Side Receptacle	With Side Receptacle with GFCI Class A Open Neutral Protection		
1000	120/ 60 Hz	6	Wet	n/a	n/a		
1000-25	120/ 60 Hz	25	Wet	n/a	n/a		
1000-50	120/ 60 Hz	50	Wet	n/a	n/a		
1000-R	120/ 60 Hz	6	Dry	Installed	n/a		
1000-R25	120/ 60 Hz	25	Dry	Installed	n/a		
1000-R50	120/ 60 Hz	50	Dry	Installed	n/a		
1000-RG	120/ 60 Hz	6	Wet	n/a	Installed		
1000-RG25	120/ 60 Hz	25	Wet	n/a	Installed		
1000-RG50	120/ 60 Hz	50	Wet	n/a	Installed		
	Specifications:						

Specifications:

Cord: #14/3 SJOW or Equiv

Plug: Nema 5-15P (1510-P) Lamp: 70 Watt HPS Clear

Bulb: B17 shape med base

CRI: 22

Lumens: 5450

K Temp: 1900

Avg Life Hrs: 24,000

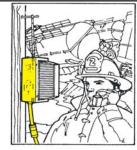
(1)Use chain or cable if mounted overhead

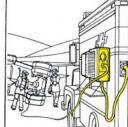
Replacement Parts

Lens & gasket Magnet Ballast & ingniter Replacement bulb 1000-LRK 1000-MAG 1000-Bal 1010



- Versatile
- Energy Efficient









1000F Series Fluorescent Wide Magnet Mount Light

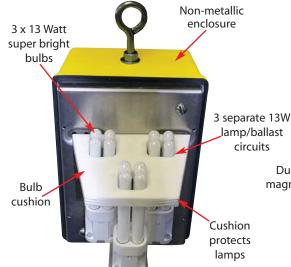
Ericson's field-proven 1000 Series wide area lighting fixtures are now available with energy-saving high-CRI, high-color temperature fluorescent lamps.

Available in 120VAC

- Impact-resistant molded polycarbonate housing
- Impact-resistant, high temperature clear lens with Blondel Prisms on inner surface to provide optimum light diffusion
- Dual magnets for secure mounting on metal surfaces
- Integral eye-hook for overhead mounting
- #16/3 SOOW cord supplied standard
- Supplied with (3) 13W T4 Quad fluorescent bulbs
- Light weight design
- 3 separate ballast/bulb light systems in each lamp provides triple redundant light for emergency operations
- Available with a variety of options:
 - Switch
 - Receptacle
 - GFCI







Dual magnets Cushion protects lamps

circuits

1000F Series Wide Area Light						
Model	Voltage	Cord Length	Location Rating	With Non-GFCI Side Receptacle		
1000F	120/ 60 Hz	6	Wet	n/a		
1000F-25	120/ 60 Hz	25	Wet	n/a		
1000F-50	120/ 60 Hz	50	Wet	n/a		
1000F-R	120/ 60 Hz	6	Dry	Installed		
1000F-R25	120/ 60 Hz	25	Dry	Installed		
1000F-R50	120/ 60 Hz	50	Dry	Installed		

Inside view

Specifications	•
Specifications	•

Cord: #16/3 SOOW or Equiv

Plug: Nema 5-15P (1510-P)

Lamp: 3 x 13 watt Quad GX23T4 CFL

CRI: 82

Lumens: 900 x 3 = 2200

K Temp: 4100K

Avg Life Hrs: 10,000 Low Temp Start: 32 Deg F





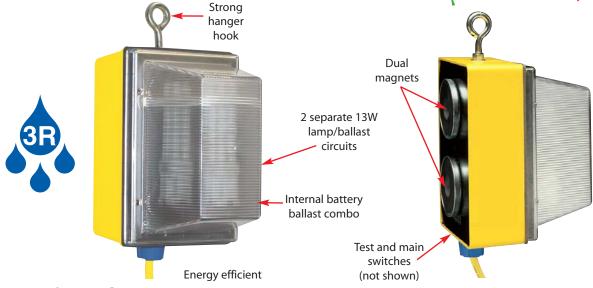
Emergency Battery Backup Egress Lighting

- Automatically stays on in the event of power loss
- · Over 90 minutes of egress lighting
- Auto charges battery/ballast assembly
- Test and main on/off switches
- 2 separate 13W lamp/ballast assemblies
 *During normal 120V operation

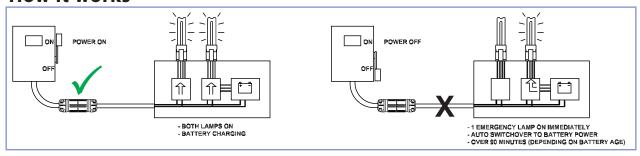


GREEN FRIENDLY





How it works



1000 Series Fluorescents Selection Guide

	120VAC
w/ 6' cord	1000F - EMBT
w/ 25' cord	1000F - EMBT-25
w/ 50' cord	1000F - EMBT-50
Specifications	
Electrical Ratings	120VAC 43WATT
Environmental Ratings	NEMA 3R
Cord Gauge/Type	16/3 SOOW
Plug Type	NEMA 5-15P

Notes

1. Contact factory for custom assemblies 2. Use chain or cable if mounted overhead

Conditions	Normal Lamp Operation	Normal Lamp Operation Testing Battery Backup	Emergency Loss of Power at Cord	Lamp Off for Storage
Main Switch (Toggle ON/OFF)	ON	ON	ON	OFF
Test Switch (Momentary)	OFF	PUSH & HOLD	OFF	OFF
120V Power at Cord	ON	ON	OFF	OFF
Lamps On	2 lamps On Charge Lamp On	2 to 1 when TEST is pushed	1 lamp for 90+ minutes	ALL OFF
Backup Battery	Charging	AUTO switchover	ON	Holding Charge



EZ™ Series Is The Economical Alternative To Expensive Fixtures

Choose either the 70Watt High Pressure Sodium or the 70Watt Metal Halide version and go...it's that easy.



- Available with High Pressure Sodium or Metal Halide Lamp-Choice of light source that is right for you
- Metal Halide Lamp-Provides bright, white light for color-rendering applications
- High Pressure Sodium Lamp-Long-life for extended lighting applications
- UL & cUL Listed-Assurance of quality by independent testing agency-Safety, performance and reduced downtime
- Die-cast aluminum housing-Lightweight, rugged dependability in demanding environments combined with excellent surface finish
- 6ft. #14/3 oil-resistant cable with molded-on 5-15 plug-Resists jobsite oils with out deterioration
- Heavy-duty magnet-Secure mounting on metal surfaces for hands-free operation (1)
- Built-in carry handle with integral "eye"-Provides for overhead mounting and easy-carry, even when wearing work gloves
- Impact resistant, high-temperature lens with inner surface prisms for optimum light diffusion

EZ™ Series Metal Halide and HPS Fixtures Selection Guide

	Metal Halide ⁽¹⁾	High Pressure Sodium ⁽¹⁾
	70 Watt	70 Watt
6 ft. Cord	1000-MH	1003-HPS
Specifications		
Electrical Ratings	120V/60Hz	120V/60Hz
Environmental Rating	WET LOCATION	WET LOCATION
Cord Gauge/Type	#14/3 SJTOW	#14/3 SJTOW
Plug Type	NEMA 5-15	NEMA 5-15
Bulb Type	70W MH/E26/ED/Clear	70W HPS/E26/ED/Clear
Avg. Rated Bulb Life	8000 hr.	16000 hr.
Initial Lumens	5500	5160
Color Rendition Index (CRI) ⁽²⁾	65	<40
Color Temperature (K) ⁽³⁾	4000K	2100K
Low Temp Start	-20 ° C	-20 ° C
Replacement Parts		
Lens	1000-MH-LENS	1000-MH-LENS
Handle	1000-HAN	1000-HAN
Bulb	1010-MH (70W MH)	1010 (70W HPS)
Magnet	1000-MH-MAG	1000-MH-MAG

Notes:

- 1. Use secondary safety chain or cable if mounted overhead
- 2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears
- 3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

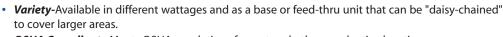




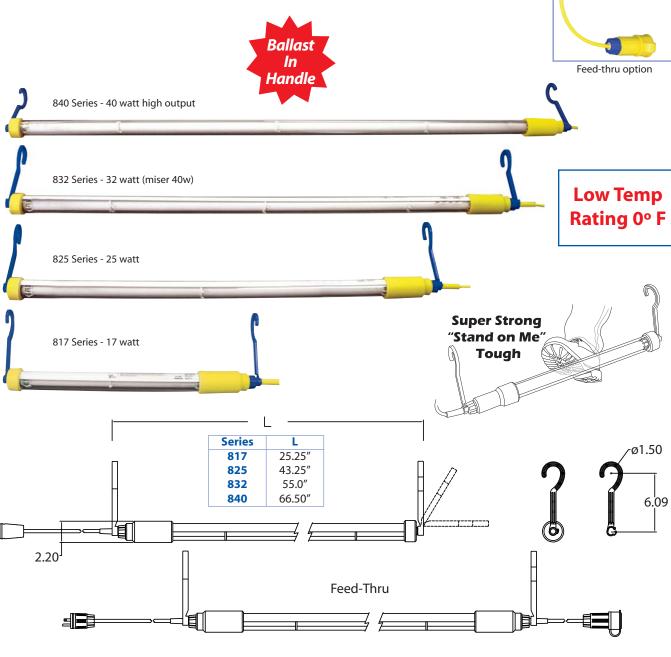
800 Series Work Lights - T8 Tube

These portable work lights are designed to meet the need for safe, temporary, economical task lighting. Their versatility provides for base and feed-thru units to meet a variety of lighting applications:

- · Tent Lighting
- Tunnel Lighting
- Work Shop Lighting
- Task Lighting
- · And More...



- OSHA Compliant Meets OSHA regulations for wet and other conductive locations.
- Outdoor Use-Fixture is rated NEMA TYPE 4X for demanding outdoor and in-plant environments.
- Cool, glare-free light-Ideal for those applications where hot, glaring light can be a hazard.
- Rubberized Handle-Non-conductive, non-corrosive and easy to grip.
- Flex Strain Relief-Provides added protection for cord at critical bending points.
- High Visibility-Dual Color safety system for easy identification on the jobsite.
- **Lightweight-**Construction with impact resistant tube shield.
- **Ballast-**Enclosed in handle, so it's easy to move around the jobsite.
- **Switch(optional)** Heavy duty rubber boot, push on/off operation, seals out water.

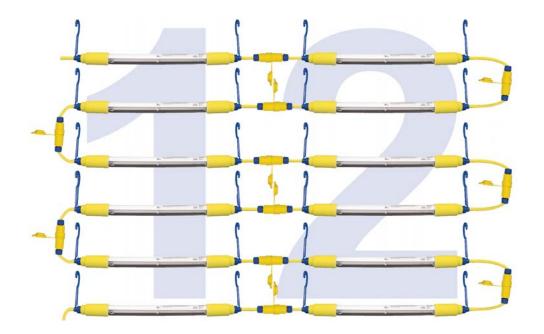




800 Series Work Lights Selection Guide

		17 Watts	25 Watts	32 Watts	40 Watts
Base Units	with 25 ft. cord	817-25	825-25	832-25	840-25
base Offits	with 50 ft. cord	817-50	825-50	832-50	840-50
Feed-Thru Units	with 25 ft. cord	817-25F	825-25F	832-25F	840-25F
reed-Inru Onits	with 50 ft. cord	817-50F	825-50F	832-50F	840-50F
Specifications					
	Electrical Ratings	120V, 60Hz	120V, 60Hz	120V, 60Hz	120V, 60Hz
	Amperage Draw	0.25A	0.35A	0.43A	0.48A
Priı	mary Cord Length	25 ft.	25 ft.	25 ft.	25 ft.
Secondary Cord Length (Feed	d-Thru Units Only)	10 in.	10 in.	10 in.	10 in.
Max Units Connected(Applies to Feed-Th	nru Models Only) (2)	12	12	12	12
	Ballast Location	Handle	Handle	Handle	Handle
N	IEMA TYPE Rating	4X	4X	4X	4X
Cable Gauge/Type	(Base Units Only)	#16/3 SOOW	#16/3 SOOW	#16/3 SOOW	#16/3 SOOW
Cable Gauge/Type (Feed	d-Thru Units Only)	#14/3 SJOW	#14/3 SJOW	#14/3 SJOW	#14/3 SJOW
Plug(Base units equipped with molded	d PW6P feed thru)	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P	NEMA 5-15 1510-PW6P
Connector (Feed-Thru Units Only)		NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P	NEMA 5-15 1610-CW6P
	Bulb Type	F17T8SPX41	F25T8SPX41	F32T8SPX41	F40T8SPX41
	Initial Lumens	1325	2150	2950	3725
Color Rendition Index (CRI) (3)		86	86	86	84
Color Temperature (K) ⁽⁴⁾		4100	4100	4100	4100
Avg. Rated	d Bulb Life (Hours)	20000	20000	20000	20000
	Low Temp Start	0 °F	0 °F	0°F	0 °F
	Fixture Weight	3.2 lb	3.8 lb	4.2 lb	4.6 lb

- 1. Consult factory for custom assemblies, add "S" to end of catalog number for switch
- 2. Based on nominal primary length of 25ft. and secondary length of 10in. with #16/3 cable operating from a single 15A supply receptacle
- 3. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears
- 4. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light



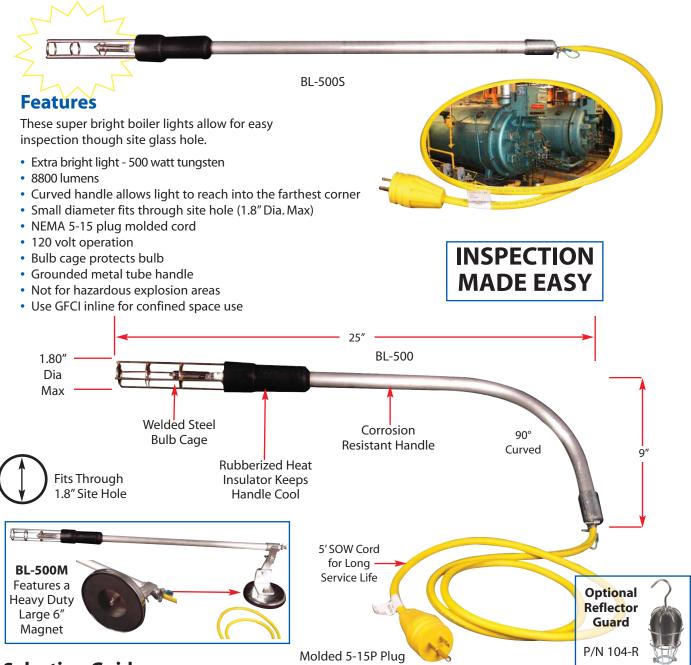
Connect up to 12 **Units Together To Light Your Jobsite. Great For:**

- Tunnels
- Construction Site
- Scaffolding Walkways
- Tents
- Portable Shelters
- And much more...







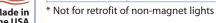


Selection Guide

Item	Description	Product Picture	Cord Length	Length	Bulb Wattage
BL500S	Boiler light, straight			32"	
BL500	Boiler light, 90°		5 feet	25" & 9"	500W
BL500M	Boiler light, with magnet			32"	

Selection Guide

Item	Description	Product Picture
104-R	Alternate reflector guard (optional)	
BL500-G	Replacement Guard	
BL500-L	Replacement Bulb, 500 Watt	
BL500-MAG*	Replacement Magnet Kit	





FORTABLE INSPECTION LAMP

shock-resistant
unbreakable plastic shield
yellow neoprene handle and cord
watertight construction
utmost in safety

All lights are GROUNDED and furnished complete with yellow Neoprene cord, three-wire plug cap, and fluorescent lamp.

eoprene cord, three-wire plug cap, and fluorescent lamp.				TRADE DISCOUNTS		
NO.	WATTAGE	STANDARD PACKAGE 8	Std. Pkg. Wt.	List Price Each	Less Than Std. Pkg. 20%	Std. Pkg. 35%
808-25	8	25-foot cord, 3-wire cap.	33	26.88	21.50	17.47
808-50	8	50-foot cord, 3-wire cap.	42	28.84	23.57	18.75
814-25	14	25-foot cord, 3-wire cap.	45	47.44	37.95	30.84
814-50	14	50-foot cord, 3-wire cap.	54	49.40	39.52	32.11

The above lights can be assorted to make up standard package quantities.

SPECIFICATIONS

WATTAGE	OVERALL LENGTH	MAX. O.D.	WEIGHT LESS CORD	STANDARD LAMP	\$TANDARD STARTER	INCANDESCENT EQUIVALENT	LAMP LIFE HOURS
8	201/2"	2"	14 oz.	F8T5/CW	FS-5	75-watt	6000
14	231/2"	3-5/16"	2 lb. 6 oz.	F1412/CW	FS-4	100-watt	6000

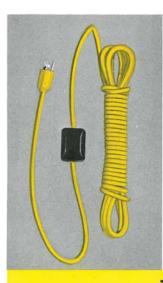
By design and selection of materials, Ericson's new fluorescent inspection light provides the user with a wide, shadowless light area, very little heat, and the utmost in safety. Neoprene and plastic combine to make the unit virtually unbreakable. The fluorescent lamp is protected by a plastic tube which seats in the Neoprene handle and non-rolling end-cap, insuring a watertight construction. The entire unit can be dismantled and reassembled without sealants or tools.

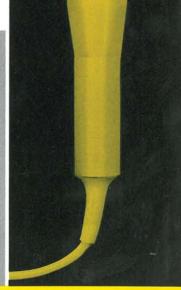
There are no exposed metal parts which can conduct electricity, therefore all possibility of electrical shock has been eliminated. To insure the integrity of this non-conductive construction, a switch in the handle has been purposely omitted.

The fluorescent lamp generates little heat, and because it is shielded with a plastic tube, there is no danger of burns or cuts from broken glass.

The light output is much greater than that of an incandescent bulb of comparable wattage. There is no glare or shadow. Being small in diameter, the light can be used in many confined areas, where other types of extension lights would not be practicable.

The new fluorescent light can take rough handling and use, can be dropped, stepped on, or subjected to other abuse without damage.





THE ERICSON MANUFACTURING COMPANY

1660 Hayden Avenue Cleveland, Ohio 44112 Page 10-A

Original Ad from the 1960's







Here's a plug that will give you a real connection — PLUG CAPS and CORD CONNECTORS FROM ERICSON





The originator of BACK-WIRED plug caps and connectors

THE ERICSON MANUFACTURING COMPANY

1660 Hayden Avenue, Cleveland, Ohio 44112 • (216) 451-2030

Original 1950's Advertisement











Ericson Manufacturing Company offers a wide variety of plugs and connectors to fit your needs.

PERMASLINK®



- Two-screw cable clamp secures cord and provides superior strain-relief
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to + 100°C
- Individual wire pockets help prevent flashovers
- Rubberized outer housing for superior grip and impact resistance
- Flexibility of reverse-cover design creates weather-resistant connections by interchanging covers
- Internal cord seals keep out water/mud/dust
- Available in all black

PERMASGRIP



- Quick field assembly with cord grip nut
- Superior water/mud/dust resistance provided by safety compression cord grips
- With stand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to + 100°C
- Flexibility of reverse-cover design (straight blade devices) creates weather-resistant connections by interchanging covers
- Custom marking available on cord grip nut
- Available in all black

PERMAITITE®2





- Tongue & groove sealing system provides extreme environmental protection of:
 NEMA Type 4, 4X, 6, 6P & IP67
- Devices resist high-pressure hose down of 1,500 psi.
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 $^{\circ}\text{C}$ to + 100 $^{\circ}\text{C}$
- Removable/replaceable self-retained sealing cap provided with connector to keep out contaminants when not in use (plug cap also available)
- Custom marking available on cord grip nut
- Available in all black

50 Amp Devices





- Rugged nylon construction resists impact, corrosion and jobsite oils/chemicals
- Quick field assembly, with color coded markings
- Nickel plated blades and stainless steel screws provide optimum corrosion resistance
- Boots can be threaded together with the optional sealing collar system to provide maximum environmental protection
- Available in plugs, connectors, inlets and receptacles
- Rubberized grey "Twist-Grip" for ease of connection

Commercial Grade



- Translucent body allows device to glow from power on lamp (EL Models)
- Wide open "suitcase" style construction makes wiring easy
- Fits 10/3 to 18/3 cord diameters
- Rugged design withstands abuse on the jobsite
- Color coded termination screws for ground, hot and neutral
- Combo screw heads speed up installation
- Rubberized "grip" cushions and surrounds device
- Economy priced





Features of All SmartMonitor™ Plugs & Connectors:

- Super bright 2-color LED technology
- SmartMonitor™ Module
- Easy to wire
- Clear internal wiring cover
- Multiple cord grommets included
- Makes OSHA safety compliance easy and cost effective

3 Styles to Pick From:

- Perma-Link®
- Perma-Grip™
- Perma-Tite® 2

24/7 Monitoring of These 7 Events

- No Ground
- Loss of Ground In Cord
- Hot/Neutral Swap
- Reverse Polarity
- Hot on Ground
- Open Neutral



New From Ericson... Industrial application SmartCords factory built to last and last. Models with Smart Connector (Economy Safe) and both Smart Plug and connector are available. 24/7 monitoring with Assured Grounding Compliance to NEC and OSHA standards. Built with the highest quality materials to withstand your environment.

FS Series Single Receptacles & Male Inlets Under All Weather Flip Covers



- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Spring-loaded flip-lid covers receptacle when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 or 6300 series FS/FD boxes and any flat surface
- Collar plug seals and grips all types of round plugs or connectors

Double Outlet Receptacle with Cover Plates - PWDX Series



- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- Spring-loaded flip-lid covers the receptacle when not in use
- Two independent fully rated receptacles in one easy to install assembly
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to 6200 series FS/FD boxes and any flat surface

Adapters



NEMA Change Adapters

Now make quick, secure connections between straight-blade and locking plugs and connectors with Ericson's NEMA configuration adapters.

- Heavy-duty non-conducting housing and using heavy gauge solid brass blades
- Compact size makes them easy to use and transport
- Available in molded style or short cords









Ericson NEMA Chart EXTREME BEST PERMA-TITE® 2 PERMA-GRIPTM **NEMA Electrical Ratings Face View** Configuration **Amps Volts Plugs Connectors Plugs Connectors** 2-pole, 3-Wire Grounding (00) 5-15 1510-PW6P 1510-PG 1610-CG 15 125 1610-CW6P (1 °C) 5-20 20 125 1512-PW6P 1612-CW6P 1512-PG 1612-CG 6-15 15 250 1514-PW6P 1614-CW6P 1514-PG 1614-CG 6-20 20 250 1516-PW6P 1616-CW6P 1516-PG 1616-CG L5-15 15 125 1520-PW6P 1620-CW6P 1520-PG 1620-CG L6-15 15 250 1522-PW6P 1622-CW6P 1522-PG 1622-CG ٦ (0 Q L7-15 15 277 1524-PW6P 1624-CW6P 1524-PG 1624-CG (* f L5-20 2310-PW6P 2410-CW6P 2310-PG 2410-CG 20 125 L6-20 20 250 2312-PW6P 2412-CW6P 2312-PG 2412-CG L7-20 (* f) 277 2314-PW6P 2314-PG 2414-CG 20 2414-CW6P 3-Pole, 3-Wire Non-Grounding Non-NEMA 20 125/250 2316-PW6P 2416-CW6P 2316-PG 2416-CG Non-NEMA 20/10 250/600 2317-PW6P 2417-CW6P 2317-PG 2417-GC Non-NEMA 15A/10A 125V/250V 1507-PW6P 1607-CW6P 1507-PG 1607-CG 3-Pole, 4-Wire Grounding L14-20 20 125/250 2320-PW6P 2420-CW6P L15-20 20 250,3Ø 2322-PW6P 2422-CW6P (t_t) L16-20 2324-PW6P 20 480,3Ø 2424-CW6P 2-Pole, 3-Wire Grounding L5-30 ("") 30 125 2510-PW6P 2610-CW6P 2510-PG 2610-CG (,,,,) L6-30 2512-PG 2612-GC 30 250 2512-PW6P 2612-CW6P (**, "**, (80) L7-30 30 277 2514-PW6P 2614-CW6P 2514-PG 2614-CG 3-Pole, 3-Wire Non-Grounding 30 Non-NEMA 2516-PW6P 2616-CW6P 125/250 3-Pole, 4-Wire Grounding 125/250 () O L14-30 2520-PW6P 2620-CW6P 30 3Ø L15-30 30 250,3Ø 2522-PW6P 2622-CW6P L16-30 30 480,3Ø 2524-PW6P 2624-CW6P (• <u>_</u>1) L17-30 30 600,3Ø 2526-PW6P 2626-CW6P 4-Pole, 4-Wire 120/208 L18-30 30 2530-PW6P 2630-CW6P 3Ø wye 4-Pole, 4-Wire Non-Grounding 120/208 Non-NEMA 30 2528-PW6P 2628-CW6P 3Ø wye



									NEW!
	RET	TER	•	GOOD		SMART	EFIICSON (C)		
		IA-LINK®	_	my Grade*	_	lonitor™*	Single Outlet	Male Inlets	Dual Recept (PWDX)
Face View	Plugs	Connectors		Connectors	Plugs	Connectors	FS Cover Plates		Receptacle with Cover
2-pole, 3-W	ire Grou	nding							
	1510-P	1610-C	5266-E	5269-E	1510-PXX	1610-CXX	2715-FS10	2705-15/A	1610-PWDX
	1512-P	1612-C			1512-PXX	1612-CXX	2715-FS12	2705-20/A	1612-PWDX
0.	1514-P	1614-C					2715-FS14		1614-PWDX
0.0	1516-P	1616-C		:: Lighted r-on glow			2715-FS16		1616-PWDX
	1520-P	1620-C	mod	dels also:			2715-FS20	2705-L15/A	1620-PWDX
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1522-P	1622-C		266-EL 5269-EL			2715-FS22		1622-PWDX
() (() () () () () () () () (1524-P	1624-C	4.5				2715-FS24		1624-PWDX
	2310-P	2410-C			2310-PXX	2410-CXX	2820-FS10	2705-L20	6200 Series Boxes
	2312-P	2412-C					2820-FS12		For FS Series & PWDX Series
	2314-P	2414-C					2820-FS14		Rubberized
3-Pole, 3-Wi	re Non-C	Grounding							Fully EnclosedSingle and Double
	2316-P	2416-C					2820-FS16		Sided
	2317-P	2417-C					2820-FS17		Standard and Deep
	1507-P	1607-C					2715-FS07		
3-Pole, 4-Wi	re Grour	nding							
	2320-P	2420-C					2920-FS20	2705-L142	
(المنافع المنافع المنا	2322-P	2422-C				Number te for	2920-FS22		
	2324-P	2424-C				Monitors:	2920-FS24	2705-L162	
2-Pole, 3-Wi	re Grour	nding			פווופ	S (-PXX)			
	2510-P	2610-C			1200	<u> </u>	2830-FS10		
	2512-P	2612-C				PML ink® Style	2830-FS12		
	2514-P	2614-C					2830-FS14		
3-Pole, 3-Wi						<mark>MGL</mark> irip™ Style			
	2516-P	2616-C					2830-FS16		
3-Pole, 4-Wi	re Grour	nding				<mark>N6PL</mark> ïte®2 Style			
	2520-P	2620-C				·	2930-FS20		
	2522-P	2622-C			CONNECT	TORS (-CXX)	2930-FS22		
	2524-P	2624-C				<u>CML</u>	2930-FS24		
	2526-P	2626-C			Perma-L	₋ink® Style	2930-FS26		
4-Pole, 4-Wi	re					MGL			
	2530-P	2630-C				irip™ Style	2930-FS30		
4-Pole, 4-Wi	re Non-C	Grounding				V6PL ite®2 Style			
	2528-P	2628-C			relilia-l	ite~2 Style	2930-FS28		







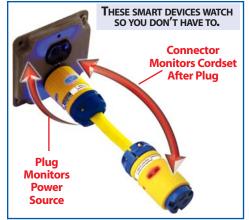
SmartMonitor™ Plugs & Connectors Constantly Monitors These Conditions:

• No Ground • Loss of Ground In Cord • Hot/Neutral Swap • Reverse Polarity • Hot on Ground • Open Neutral

Features Of All SmartMonitor™ Plugs & Connectors:

- Super Bright LED Technology
- SmartMonitor™ Module
- Keyed body and cover
- · Easy to wire
- · Clear internal wiring cover
- Non-slip finger grips
- Color coded terminal screws
- · Multiple cord grommets included
- Rubberized outer body
- Safety Yellow and Blue body







LEDs light up to let you know power is O.K.



- · Loss of Ground In Cord
- Hot/Neutral Swap
- Reverse Polarity
- Hot on Ground
- Open Neutral





LEDs light up to let you know there is a problem

How It Works - Diagnostic Safety Cords





- Safety earth ground is OK
- power polarity is OK



Do Not Use

- Check power source for proper wiring and ground
- · Check cord for cuts, nicks etc.
- Check plug wiring
- Check connector wiring



- Check cord for cuts, nicks etc.
- Check connector wiring
- * Full diagnostic safety cords give easy-to-understand indications which saves time tracking down electrical safety issues.
- **This device does not diagnose any tool internal issues. This device is an indication that the power and safety earth ground are present.



Do Not Use

 Check power source for wiring or missing earth ground





Cord Clamp Style



Perma-Link™ Cord **Clamp Style Features:**

- · Internal cord seal
- · Dual screw self-centering clamp
- Rubberized outer body XXXX-PML

Cord Grip Style





Perma-Grip™ Cord Grip **Nut Style Features:**

- Nickel plated solid brass blades
- Super sealing cord grip nut design



Water Tight Style



Perma-Tite2™ All Weather Cord Grip Nut Style features:

- All weather NEMA 6P rated
- Super sealing rings
- Nickel plated solid brass blades
- Super sealing cord grip nut design
- Connector includes cover
- 360° indication XXXX-CW6PL

Plug & Connector Selection Guide

	NEMA	Electri	cal Ratings	Perma	a-Link®	Perma-Grip®		Perma-Tite® 2	
Face View	Configuration	Amps	Volts	Plugs	Connectors	Plugs	Connectors	Plugs	Connectors
Straight Blad	le, 2-pole, 3-wire	e Ground	ding Device	S					
	5-15	15	125	1510-PML	1610-CML	1510-PMGL	1610-CMGL	1510-PW6PL	1610-CW6PL
	5-20	20	125	1512-PML	1612-CML	1512-PMGL	1612-CMGL	1512-PW6PL	1612-CW6PL
Locking, 2-po	ole, 3-wire Grou	nding							
3	L5-20	20	125	2310-PML	2410-CML	2310-PMGL	2410-CMGL	2310PW6PL	2410-CW6PL
	L5-15	15	125	1520-PML	1620-CML	1520-PMGL	1620-CMGL	1520-PW6PL	1620-CW6PL

New From Ericson... Industrial application SmartCords factory built to last and last. Models with Smart Connector (Economy Safe) and both Smart Plug and Connector are available. 24/7 monitoring with Assured Grounding Compliance to NEC and OSHA standards. Built with the highest quality materials to withstand your environment.



1510PML123A shown

Tough 600V rated SOW cordage for long lasting wear

SmartMonitor™ Connector

Checks entire cordset from the plug to the connector

Cordset Selection Guide

Economy Safe SmartCords P/N*	Length	Non-smart PLUG	Smart Connector	Cord Size	Rating
1610XXX143	A = 25 ft B = 50 Ft D = 100 ft	1510	1610L	#14/3 SOW	15A
1610XXX123		1510	1610L	#12/3 SOW	15A
1612XXX123		1510	1610L	#12/3 SOW	20A
2410XXX123		2310	2410L	#12/3 SOW	20A

Note: plug and connector type will be based on selection made of the master cordset part number - style will match

Full Diagnostic Safety SmartCords P/N**	Length	Smart PLUG	Smart Connector	Cord Size	Rating
1510XXX143	A = 25ft B = 50Ft D =100ft	1510L	1610L	#14/3 SOW	15A
1510XXX123		1510L	1610L	#12/3 SOW	15A
1512XXX123		1512L	1610L	#12/3 SOW	20A
2310XXX123		2310L	2410L	#12/3 SOW	20A

Note: pluq and connector type will be based on selection made of the master cordset part number

CML = PermaLink Style Light Industrial Wiring Devices (non-smart Plug and Smart Connector installed)

CMGL = PermaGrip Style Industrial Wiring Devices with nickel plated blades (non-smart Plug and Smart Connector installed)

CW6PL = PermaTite Style Industrial All-Weather Wiring Devices (non-smart Plug and Smart Connector installed)

PML = PermaLink Style Light Industrial Wiring Devices (Smart Plug and Smart Connector installed)

PMGL = PermaGrip Style Industrial Wiring Devices with nickel plated blades (Smart Plug and Smart Connector installed)

PW6PL = PermaTite Style Industrial All-Weather Wiring Devices (Smart Plug and Smart Connector installed)









^{*} Replace XXX with: (Economy Cordsets Only)

^{**} Replace XXX with: (Full Diag Cordsets Only)

PERMAITITE® 2 Plugs and Connectors

Perma-Tite®2 plugs and connectors are engineered and manufactured to the highest quality standards to provide the ultimate in electrical service and protection. They are designed and proven to do their best under the worst conditions in a broad array of the most severe food processing, industrial, marine, construction and petro-chemical work environments.

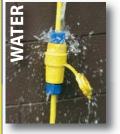
- UL Listed & CSA Certified, some ETL Listed
- Tongue & groove sealing system provides environmental protection of: NEMA Type 4, 4X, 6, 6P & IP67
- Devices resist high-pressure hose down of 1,500 psi.
- Plug & Connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking
- Keyed body and cover for easy alignment/assembly
- Color coded sealing bushings are provided to fit a variety of cord diameters
- Removable/replaceable self-retained sealing cap provided with connector to keep out contaminants when not in use
- Nickel plated blades for corrosion resistance
- Transparent back-plate makes for quick visual wiring checks
- Ericson's new brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System symbolizes that legendary Ericson Quality



- Excels in demanding outdoor & in-plant environments
- Resists hose directed water, the entry of water during prolonged submersion at a limited depth & damage from external ice formation

Typical Applications

- Food processing
- Pulp and paper mills
- Refineries and Petro Chem Facilities
- Ship yards
- Utilities
- Marine





Rugged thermoplastic polyester

body in plug and connector.





FINGER GRIPS

aid in assembly

Non-slip finger grips





EXTRA GROMMETS Color coded rubber cord sealer grommets supplied for a variety of diameters.

UNIQUE WATER/DUST WIPER

Seals out moisture, mud and particles.

ORIGINAL DEAD-FRONT BACK-WIRED CONSTRUCTION

We set industry standards with this design with no exposed current carrying parts.









CORROSION RESISTANT ASSEMBLY SCREWS

PBT BODY

Stainless double lead assembly screws made for plastics exclusively to insure fast assembly and withstand high torque and pullout

EIGHT POINT SEALING

Unique rubber to rubber tongue and groove eight point seal-tite system when mated.

CORROSION RESISTANT NICKEL PLATED BLADES

Current carrying blades and contacts of high conductivity copper alloy with nickel plating for corrosion resistance.

DOUBLE INSULATED Superior PBT body

with TPE thermoplastic elastomer cover for extra safety, protection and durability.

SAFETY COMPRESSION CORD GRIP

Non-conductive, long life rugged PBT, powerful cord grip, unique design accepts a variety of wire sizes with no crushing and no inserts to change or add.



Note: Add - BLK for all black as available.





- UL Listed and CSA Certified, some ETL Listed
- Quick field assembly, no cable clamp screws to tighten, simply twist on the cord grip nut
- Water/mud/dust resistance provided by safety compression cord grips
- Keyed body and cover for easy alignment/assembly
- Color coded rubber cord-seal bushings accommodate a wide range of cable diameters
- Molded-in non-slip fingers grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C - +65 °C
- Nickel plated brass blades and ground pin stops corrosion and keeps solid electrical contact

ERICSON EXCLUSIVE

PERMAGRIP" Plugs and Connectors

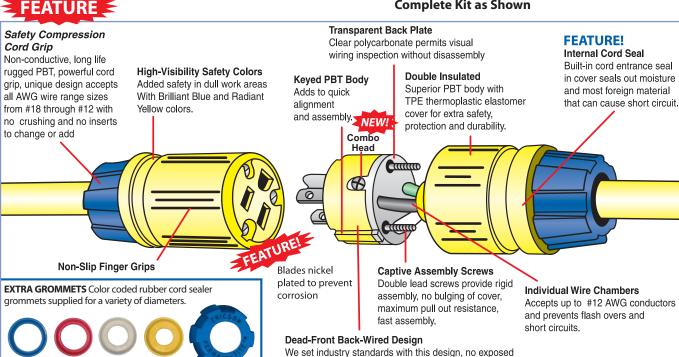
Ericson's industry exclusive design combines the Perma-Tite® cord grip with the industry proven design of its Perma-Link® devices to provide a line of incredibly tough plugs and connectors that stand up to the most demanding industrial and construction environments.

- Individual wire pockets help prevent flashovers
- Transparent back plate speeds wiring inspection
- Selected models available with Ground Continuity Monitor
- Available individually or on factory assembled cord sets
- Flexibility of reverse-cover design (straight blade) devices) creates weather-resistant connections by interchanging covers
- Ericson's exclusive Brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System





Complete Kit as Shown



Note: Add - BLK for all black as available.









current carrying parts, meets NEC article #410-56 (d).





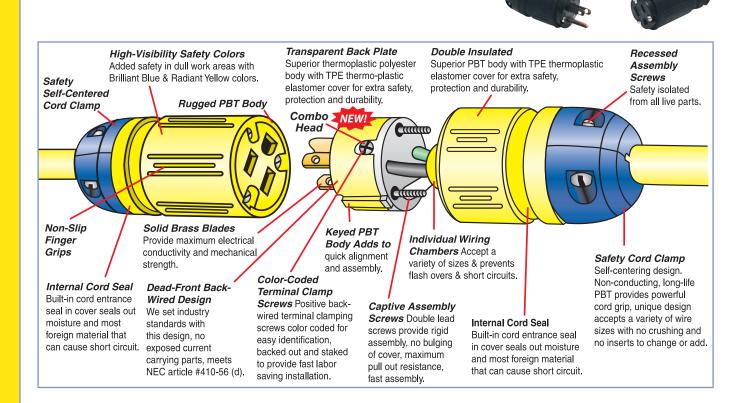
PERMAMINK® Plugs and Connectors

United States patent number 4,021,092 was assigned to today's Perma-Link® plugs and connectors which are classified among the most rugged and safest wiring devices available. They incorporate many of the same features as Ericson Perma-Tite® 2 and Perma-Grip™ devices and utilize a two-screw cable clamp. Perma-Link® plugs and connectors are designed to provide many years of trouble-free service in the most demanding industrial and construction environments.

- UL Listed and CSA Certified
- Two-screw cable clamp secures wire and provides strain-relief
- Solid brass blades for optimum electrical and mechanical performance
- Keyed body and cover for easy alignment/assembly
- Molded-in non-slip finger-grips makes devices easy to assemble and handle
- Withstand high impact, corrosion, oils, greases, solvents and other chemicals across -20 °C to 100 °C
- Individual wire pockets help prevent flashovers

- Transparent back plate speeds wiring inspection
- Selected models available with Ground Continuity Monitor
- Available individually or on factory assembled cord sets
- Flexibility of reverse-cover design creates weather-resistant connections by interchanging covers
- Ericson's exclusive Brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System

All Black Available





Note: Add - BLK for all black as available.

Versatile Weather-Resistant Field Conversion

Our Perma-Link® plugs and connectors (as listed below) are designed so they can easily be converted to create weatherresistant connections by interchanging the internal assemblies. Insert the plug body into the connector cover, and the connector body into the plug cover. There are no extra parts to purchase.

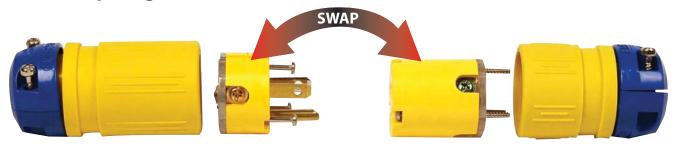
Step 1:

Disassemble The Plug & Connector As Shown



Step 2:

Swap Plug & Connector Assemblies



Step 3:

Assemble Cords Per Bag Instructions



Convertible Parts					
1510-P	1510-P 1610-C				
1512-P	1612-C				
1514-P	1614-C				









This Non-NEMA configuration, commonly called the "crowsfoot", is widely used in critical applications that require equipment to be plugged into a specific electrical system to ensure proper function or to prevent equipment damage.

Typical Applications

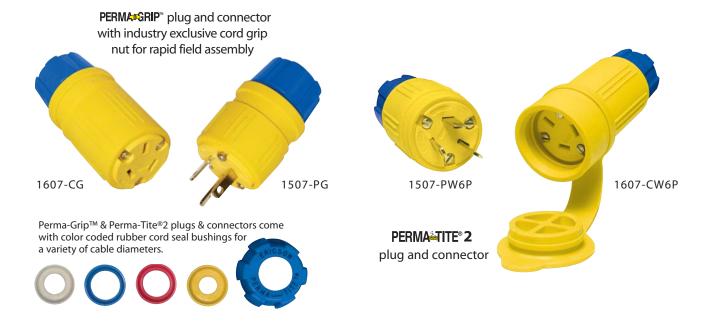
- Low-voltage hand lamps and matching transformers
- Data acquisition/logging equipment to detect level and flow measurements on tanks and valves
- Sensitive electronic equipment that must be used on voltage regulated circuits

1



Features Guide

- Plug and connector bodies made with PBT chosen for its high resistance to moisture absorption, high voltage arcing and carbon tracking.
- Transparent back-plate makes for quick visual wiring checks.
- Keyed body and cover for easy alignment/assembly.
- Color-coded sealing bushings are provided to fit a variety of cord diameters.
- Perma-Tite® 2 devices have the eight-point rubber tongue and groove sealing system to provide environmental protection.
- Rubber sealing cap provided with Perma-Tite® 2 connector to keep out contaminants when not in use.
- Optional plug cover available order catalog number 15PW.
- Ericson's exclusive Brilliant Blue and Radiant Yellow High Visibility Dual Color Safety System.
- Perma-Tite® 2 devices rated NEMA 4,4X,6,6P & IP67.



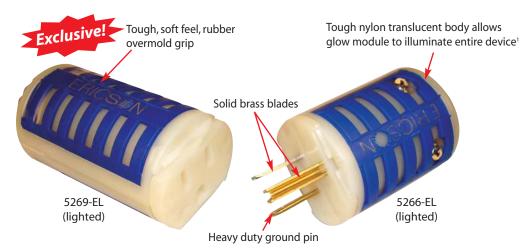
Face View	NEMA Config.	Electrica	l Ratings	Perma	-Grip™	Perma-Tite® 2	
	Non-NEMA	15A	125V	1507-PG	1607-CG	1507-PW6P	1607-CW6P
	NOII-NEIVIA	10A	250V	1307-FG	1007-CG	1307-17001	1007-CVV0F



Commercial Grade Plugs & Connectors

The Ericson 5266 and 5269 Series of Commercial Grade plugs offer the latest in design innovation and quality in an economy grade wiring device. The demands of today's electrical industry are met with this new design with features never before seen in a commercial device. Designed to provide years of trouble free service in demanding industrial, construction and rental environments. Available in 2 styles, with and without the power on "glow" module to light up the entire device.

- 2 styles with and without internal lamp module (see chart)
- Translucent body allows device to glow from power on lamp
- Tough, soft feel, rubber overmold grip surrounds device body
- Wide open "suitcase" style construction makes wiring easy
- Two captive screw body clamp design is easy to assemble
- Cord diameter matching inserts fit a wide range of cord sizes
- Solid brass blades for optimum electrical contact
- Fits 10/3 to 18/3 cord diameters*
- Rugged design withstands abuse on the jobsite
- Clear internal conductor cover allows visual inspection
- · Color coded termination screws for ground, hot and neutral
- Combo screw head



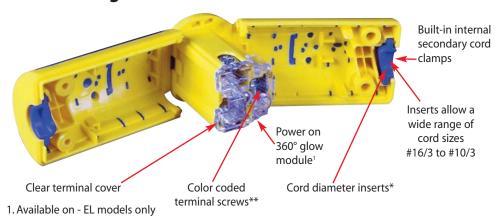


5266-EL Lighted



EL Models **Translucent** Body "Glows'

1 Piece Design - EZ To Wire



Devices Selection Guide

				With Inter	nal Glow Light	Without In	ternal Glow Light
Face View	NEMA Configuration	Electrica	Electrical Ratings				
		Amps	Volts	Plugs	Connectors	Plugs	Connectors
Straight Bla	de, 2-pole, 3-wire	Grounding	Devices				
	5-15	15	125	5266-EL	5269-EL	5266-E	5269-E



*Cord diameters - .3 to .6 inch

**Slot - Phillips



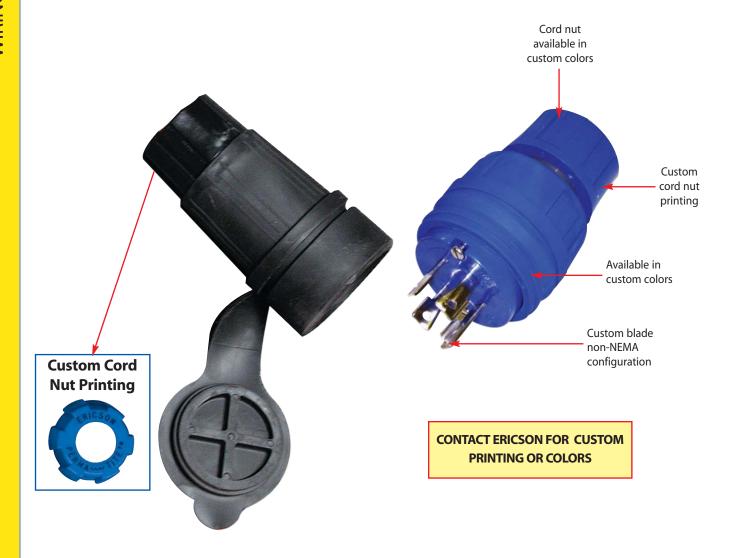






Made in the USA

Ericson can customize our offering of wiring devices to meet your individual needs. The custom solution can be as simple as the popular printing on the back of the cord grip nut to fully custom colored and labeled product. Minimum order sizes will apply as well as some setup fees. Contact us to discuss your needs and custom design details.

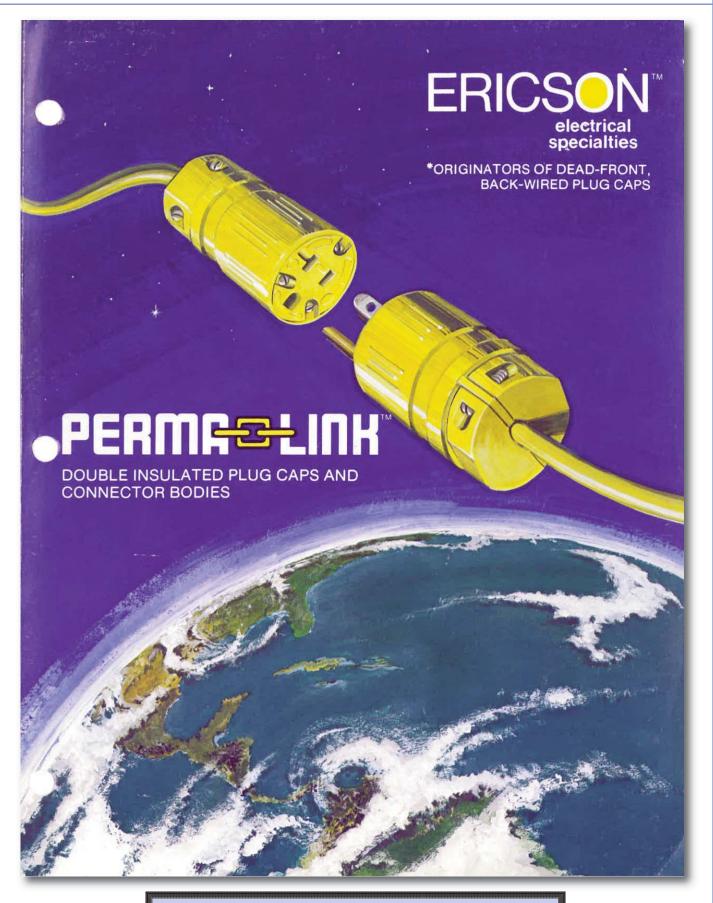


Notes:

- 1. Some customization can void certain agency safety listings or warranty.
- 2. Minimum quantities will apply. Other design and tooling fees may apply.



How to order: Contact you local Ericson Factory Representative or call us at 1-800-Ericson (374-2766)



Original 1930's Advertisement

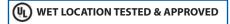






All Weather Heavy Duty Wet Location Double Outlet Receptacle with Cover





FEATURES:

- SafetyFirst™ UL Listed to American and Canadian Standards for wet or damp locations
- Impact, chemical and corrosion resistant
- Superior interior splash and hose down protection
- Exceptional all weather outdoor protection
- Simplified, flexible mounting alternatives
- Secure power access lockout / tagout capability
- Popular NEMA configuration alternatives
- Pre-wired for quick installation
- Rubberized box with stainless steel hardware
- Non-metallic cord grip
- Spring loaded flip covers

Ericson's PWDX Series of all weather, heavy duty double outlet receptacles are ideal for a wide range of demanding applications where splash and hose-down protection is required. A perfect fit for food and liquid processing facilities, the non-metallic enclosure and optional cord grip construction guards against metal and glass fragments that can pose health and safety risks, while the extra deep internally sealed spring-loaded flip covers provide protection when not in use.

The versatile PWDX Series receptacles, when mated with Ericson's Perma-Tite2 plugs, provide NEMA 4X levels of protection against dust, rain, hose/spray, chemical, and snow/ice. The 8-point seal-tite mating design seals around the plug to provide unmatched weather resistance.

Flexible mounting configurations, including pendant, rigid conduit, wall and "stringer" cordset, make this an ideal solution for a wide range of applications including:

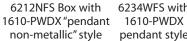
- Food Processing
- Vehicle / Engine Heater
- Venue Landscape
- Beverage Processing
- Pulp / Paper Mills
- Outdoor Events
- Marina Ship-to-shore
- Utilities
- Automotive
- Petro-Chemical
- Refineries
- Harsh Environments









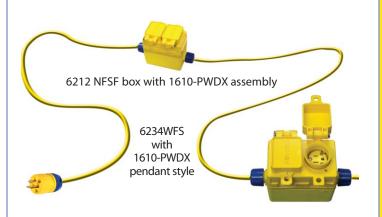




6234WFS with pendant style



Double 1610-PWDX on 6234WFT enclosure



NOTICE:

*The NEC restricts the use of metallic "job" boxes for use in temporary relocateable power cords. Only use non-metallic enclosures designed and tested to meet compliance.



| NEMA |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | |
| 1610-PWDX | 1612-PWDX | 1614-PWDX | 1616-PWDX | 1620-PWDX | 1622-PWDX | 1624-PWDX |

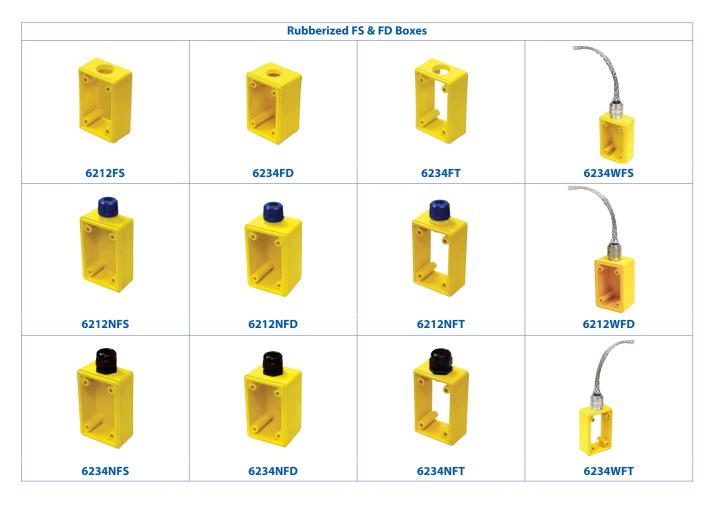
Part Number	Description	NEMA Config	Amps	Volts
PWDX Dual Recep	tacle & Cover Assembly/ Prewired			
Straight				
1610-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 5-15	5-15	15	125
1612-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 5-20	5-20	20	125
1614-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 6-15	6-15	15	250
1616-PWDX	Receptacle & Flip Cover, Duplex, All Weather, 6-20	6-20	20	250
Locking				
1620-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L5-15	L5-15	15	125
1622-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L6-15	L6-15	15	250
1624-PWDX	Receptacle & Flip Cover, Duplex, All Weather, L7-15	L7-15	15	277







	Ericson Perm	na-Tite®2 Series Mating Plugs	
PWDX Part Number	Mating Plug Perma-Tite 2®	Perma-Tite 2® Series Plug	Plug Bushing Kit
1610-PWDX	1520-PW6P		82005 - 1/2" Kit
1612-PWDX	1512-PW6P		
1614-PWDX	1514-PW6P		
1616-PWDX	1516-PW6P		
1620-PWDX	1520-PW6P		
1622-PWDX	1522-PW6P	,	
1624-PWDX	1528-PW6P		



Wall/Post Mount Kit 6260WK	(NM) Non Metallic Bushing Kits		Wire Mesh Grips	
Optional Wall Mount Kit	82034 - 3/4"	82010 - 1"	wire we	isii drips
			82005W = 1/2"	
		Co.	82034W = 3/4"	
- · · · · ·		1010	82010W = 1"	
			82005W-1	
			82034W-1	**





	Part Number	or PWDX - Punched - No Bushing Kit Description		
	6212FS	Box, Std Depth, PWDX, No bushing, 1/2" NPT		
	6234FS	Box, Std Depth, PWDX, No bushing, 1/2 NPT		
	6210FS	Box, Std Depth, PWDX, No bushing, 1" NPT		
	6210F3 6212FD	,		
		Box, Deep, PWDX, No bushing, 1/2" NPT		
	6234FD	Box, Deep, PWDX, No bushing, 3/4" NPT		
	6210FD	Box, Deep, PWDX, No bushing, 1" NPT		
	6212FT	Box, OPEN, PWDX, No bushing, 1/2" NPT		
	6234FT	Box, OPEN, PWDX, No bushing, 3/4" NPT		
	6210FT	Box, OPEN, PWDX, No bushing, 1" NPT		
	6212FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 1/2" NPT		
	6234FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 3/4" NPT		
	6210FSF	Box, Std Depth, PWDX, No Bushing, Feed thru, 1" NPT		
	6212FDF	Box, Deep, PWDX, No Bushing, Feed thru, 1/2" NPT		
	6234FDF	Box, Deep, PWDX, No Bushing, Feed thru, 3/4" NPT		
	6210FDF	Box, Deep, PWDX, No Bushing, Feed thru, 1" NPT		
	6212FTF	Box, OPEN, PWDX, No Bushing, Feed thru, 1/2" NPT		
	6234FTF	Box, OPEN, PWDX, No Bushing, Feed thru, 3/4" NPT		
	6210FTF	Box, OPEN, PWDX, No Bushing, Feed thru, 1" NPT		
		"NPT Bushing Installed (N = Non Metallic W = Wire Mesh)		
	6212NFS		_c (UL) us_	
		Box, Std Depth, PWDX, NM Bushing, 1/2" NPT Box, Deep, PWDX, NM Bushing, 1/2" NPT	LISTED	
	6212NFD			
	6212NFT	Box, OPEN, PWDX, NM Bushing, 1/2" NPT		
	6212NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 1/2" NPT		
	6212NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 1/2" NPT		
	6212NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 1/2" NPT		
	6212WFS	Box, Std Depth, PWDX, WireMesh Bushing, 1/2" NPT		
	6212WFD	Box, Deep, PWDX, WireMesh Bushing, 1/2" NPT		
	6212WFT	Box, OPEN, PWDX, WireMesh Bushing, 1/2" NPT		
	6212WFSF	Box, Std Depth, PWDX, WireMesh Bushing, Feed thru, 1/2" NP	T	
	6212WFDF	Box, Deep, PWDX, WireMesh Bushing, Feed thru, 1/2" NPT		
	6212WFTF	Box, OPEN, PWDX, WireMesh Bushing, Feed thru, 1/2" NPT		
	Boxes for PWDX - 3/4	1" NPT Bushing Installed (N = Non Metallic W = Wire Mesh)	(ĥ)_	
	6234NFS	Box, Std Depth, PWDX, NM Bushing, 3/4" NPT	\sim	
\mathbf{m}	6234NFD	Box, Deep, PWDX, NM Bushing, 3/4" NPT	LISTED	
	6234NFT	Box, OPEN, PWDX, NM Bushing, 3/4" NPT		
	6234NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 3/4" NPT		
	6234NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 3/4" NPT		
	6234NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 3/4" NPT		
	6234WFS	Box, Std Depth, PWDX, WireMesh Bushing, 3/4" NPT		
	6234WFD	Box, Deep, PWDX, WireMesh Bushing, 3/4" NPT		
	6234WFT	Box, OPEN, PWDX, WireMesh Bushing, 3/4" NPT	_	
	6234WFSF	Box, Std Depth, PWDX, WireMesh Bushing, Feed thru, 3/4" NP		
	6234WFDF	Box, Deep, PWDX, WireMesh Bushing, Feed thru, 3/4" NPT		
	6234WFTF	Box, OPEN, PWDX, WireMesh Bushing, Feed thru, 3/4" NPT		
	Boxes for PWDX - 1"	NPT Bushing Installed ($N = Non Metallic W = Wire Mesh$)	_(VL)_	
	6210NFS	Box, Std Depth, PWDX, NM Bushing, 1" NPT	LISTED	
	6210NFD	Box, Deep, PWDX, NM Bushing, 1" NPT		
	6210NFT	Box, OPEN, PWDX, NM Bushing, 1" NPT		
	6210NFSF	Box, Std Depth, PWDX, NM Bushing, Feed thru, 1" NPT		
	6210NFDF	Box, Deep, PWDX, NM Bushing, Feed thru, 1" NPT		
	6210NFTF	Box, OPEN, PWDX, NM Bushing, Feed thru, 1" NPT		
	6210WFS	Box, Std Depth, PWDX, WireMesh Bushing, 1" NPT		
		, ·		
		Roy Deen PM/DY MiroMach Ruching 1" NDT		
	6210WFD	Box, Deep, PWDX, WireMesh Bushing, 1" NPT		
	6210WFD 6210WFT	Box, OPEN, PWDX, WireMesh Bushing, 1" NPT		
	6210WFD	,		



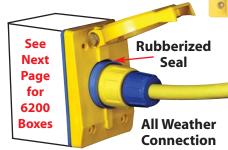




PERMAITITE®2 Single Outlet Receptacle with Cover Plates - FS Series

- Weather resistant boot seals around Ericson Perma-Tite plug to provide weather resistant protection
- · Spring-loaded flip-lid covers receptacle when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to any FS and FD boxes and any flat surface







- Green
- Black
- Sand



Wet Location Tested & Approved (Female Only)

PERMA: TITE 2 Single Outlet Cover Plates - FS Series

Face	NEAAA	Electrica	EC Formula	2705	2705		
View			Volts FS Female Receptacle		Male Inlet Std Opening	Male Inlet Large Opening	
15A Stra	aight Blade & Locking 20A S	traight Blade					
Flip Seal	Cover w/ weatherproof boot	only		2700-FS (1)	1 ⁷ /16" Dia.	2" Dia.	
	Non-NEMA	10/15 Amp	125/250 Volt	2715FS07			
	5-15	15 Amp	125 Volt	2715-FS10	2705-15	2705-15A	
	5-20	20 Amp	125 Volt	2715-FS12	2705-20	2705-20A	
	6-15	15 Amp	250 Volt	2715-FS14			
	6-20	20 Amp	250 Volt	2715-FS16			
(*) (*)	L5-15	15 Amp	125 Volt	2715-FS20	2705-L15	2705-L15A	
(*)	L6-15	15 Amp	250 Volt	2715-FS22			
(*) (*)	L7-15	15 Amp	277 Volt	2715-FS24			
20A & 3	0A Locking, 3-Wire	'					
	Cover w/ weatherproof boot	only		2800-FS (1)	2 ¹/₅″ Dia.		
	L5-20	20 Amp	125 Volt	2820-FS10	2705-L20		
(*)	L6-20	20 Amp	250 Volt	2820-FS12			
(1) (1) (1)	L7-20	20 Amp	277 Volt	2820-FS14			
00	Non-NEMA	20 Amp	125/250 Volt	2820-FS16			
QQ	Non-NEMA	20 Amp/10 Amp	250 Volt/600 Volt	2820-FS17			
(*) (°§)	L5-30	30 Amp	125 Volt	2830-FS10			
(3) (3)	L6-30	30 Amp	250 Volt	2830-FS12			
(1) (1)	L7-30	30 Amp	277 Volt	2830-FS14			
00	Non-NEMA	30 Amp	125/250 Volt	2830-FS16			
	0A Locking, 4-Wire	<u>'</u>					
Flip Seal	Cover w/ weatherproof boot	only		2900-FS (1)	2 ¹/8″ Dia.		
	L14-20	20 Amp	125/250 Volt	2920-FS20	2705-L142		
	L15-20	20 Amp	250 Volt, 3 ø	2920-FS22			
	L16-20	20 Amp	480 Volt, 3 ø	2920-FS24	2705-L162		
٠	L14-30	30 Amp	125/250 Volt	2930-FS20			
	L15-30	30 Amp	250 Volt, 3 ø	2930-FS22			
	L16-30	30 Amp	480 Volt, 3 ø	2930-FS24			
	L17-30	30 Amp	600 Volt, 3 ø	2930-FS26			
	L18-30	30 Amp	120/208 Volt, 3 ø wye	2930-FS30			
00	Non-NEMA	30 Amp	120/208 Volt, 3 ø wye	2930-FS28			



NOTES:

1. Does not include receptacle. Use with standard receptacles of same electrical ratings.

Single Male Inlet Assemblies with Cover Plates - 2705 FS Series

- Weather resistant boot seals around the connector to provide weather resistant protection
- Spring-loaded flip-lid covers inlet when not in use
- Includes cover plate, rubber boot, stainless steel mounting plate/mounting screws
- Impact, chemical & corrosion resistant construction stands up to demanding environments
- Mounts easily to any 6200 series FS/FD boxes or any flat surface
- Spring Loaded SS hardware flip cover

Application Notes:

The 2705 FS series of male inlets is designed for all weather power inlet on a variety of applications. The heavy duty flip cover assembly and superior round sealing collar provides a superior seal against the elements. Use for inlet power only. Never use these devices for power output or receptacle. These devices must be wired dead and cannot be accidentally energized without a connector in place.

- Power inlet for powered food trolley carts
- Power charging inlet for fire trucks, ambulances and electric service vehicles
- Power charging port for electric battery cars or golf carts
- Power inlet for machines in tough environments
- Power inlet for portable temporary power panels



Also available in all black or customized - call Ericson for details

6200 Series Boxes for FS Series Mounting

Part Number	Description	
6212FSK	Box, Std Depth, No bushing, 1/2" NPT	
6234FSK	Box, Std Depth, No bushing, 3/4" NPT	
6210FSK	Box, Std Depth, No bushing, 1" NPT	
6212FDK	Box, Deep, No bushing, 1/2" NPT	
6234FDK	Box, Deep, No bushing, 3/4" NPT	
6210FDK	Box, Deep, No bushing, 1" NPT	
Boxes for 2705 - 1/2" NPT	Bushing Installed (N=Non Metallic W = Wire Mesh)	W.
6212NFSK	Box, Std Depth, NM Bushing, 1/2" NPT	
6212NFDK	Box, Deep, NM Bushing, 1/2" NPT	
6212WFSK	Box, Std Depth, WireMesh Bushing, 1/2" NPT	
6212WFDK	Box, Deep, WireMesh Bushing, 1/2" NPT	n (1)
6234NFSK	Box, Std Depth, NM Bushing, 3/4" NPT	
6234NFDK	Box, Deep, NM Bushing, 3/4" NPT	
6234WFSK	Box, Std Depth, WireMesh Bushing, 3/4" NPT	
6234WFDK	Box, Deep, WireMesh Bushing, 3/4" NPT	
6210NFSK	Box, Std Depth, NM Bushing, 1" NPT	-
6210NFDK	Box, Deep, NM Bushing, 1" NPT	
6210NFTK	Box, OPEN, NM Bushing, 1" NPT	
6210WFSK	Box, Std Depth, WireMesh Bushing, 1" NPT	
6210WFDK	Box, Deep, WireMesh Bushing, 1" NPT	1
6210WFTK	Box, OPEN, WireMesh Bushing, 1" NPT	

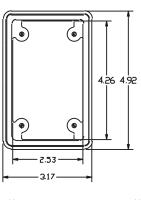






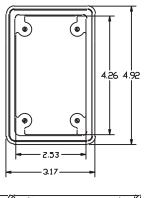
FT Feed Thru Box 4.26 4.92

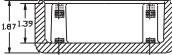
FD Deep Box



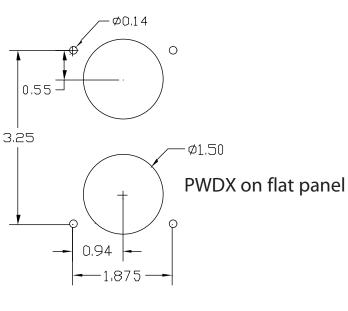


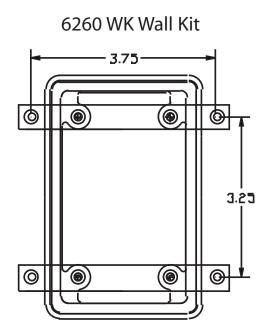
FS Standard Box

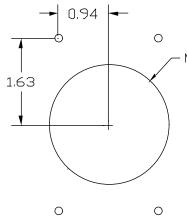




Mounting Templates







MEASURE CONNECTOR BODY FOR HOLE SIZE

2700, 2800 or 2900 series on flat panel



NEMA Configuration Adapters

Now make quick, secure connections between straight-blade and locking plugs and connectors with Ericson's NEMA configuration adapters.

- Heavy-duty non-conducting housing and using heavy gauge solid brass blades
- Compact size makes them easy to use and transport
- Available in four of the most popular models



NEMA Configuration Adapters Selection Guide

Catalog	NE/ Configu		Description
Number	Male	Female	•
1705			Male 15A, 125V twist (L5-15P) to 20A, 125V straight (5-20R)
1712		(P)	Male 15A, 125V straight (5-15P) to 15A, 125V twist (L5-15R)
1740			Male 20A, 125V twist (L5-20P) to 20A, 125V straight (5-20R)
1744		(B)	Male 15A, 125V straight (5-15P) to 20A, 125V twist (L5-20R)
123-20P15C	(3)		Male 20A, 125V twist (L5-20P) to 15A, 125V straight (5-15R)
123-15P20C		(3 D)	Male 15A, 125V straight (5-15P) to 20A, 125V twist (L5-20R)

PERMA:TITE® 2 Plug Cover

- Use with Ericson's Perma-Tite® plugs to seal out water, dust and other contaminants and to protect blades from damage when plug is not in-use
- Eight-point rubber tongue and groove sealing system provides environmental protection
- Additional protection provided by a unique internal water/dust wiper
- Easy to assemble
- Ericson's Radiant Yellow for High Visibility on job sites

15PW with 1510-PW6P Plug

PERMAITITE® 2 Plug Cover Selection Guide

Catalog Number	Description
15PW	Male closure cap, for use with 15A Straight Blade & Locking devices and 20A Straight Blade devices.
16CW	Female replacement cover for CW6P connectors
24CW	Female Large replacement cover for CW6P connectors
26CW	Female 30 Amp Large replacement cover for CW6P connectors













Hospital Grade Perma-Link® Plugs and Connectors

The same rugged internal construction as our standard Perma-Link line is found in these units, and in addition they meet UL Hospital Grade standards. Designed for reliable long life, built to withstand exceptional abuse, these dead-front, back-wired devices save installation time, provide maximum protection and can be used for straight blade installations in hospitals, schools, and extended care facilities. Constructed of rugged polybutylene therephthalate (PBT) and a high-tech thermoplastic elastomer (TPE), they have passed tests for ground pin retention, ground resistance, face impact, ground temperature contact, fault current, line blade retention and abrupt removal.

INSULATED/INSTITUTION GRAY RUBBER COVER

White and light "institution" gray colors identify this style which provides superior insulation. They are clearly marked "Hospital Grade" and clearly marked with a green dot to signify UL Hospital Grade. Non-conductive cord clamp to accommodate cord sizes #16/3 SJ through #12/3 SO.

FAST WIRING CHECK THROUGH CLEAR COVER

White PBT and transparent polycarbonate housing identify this type which permits visual inspection of wiring terminations without disassembly. Impact resistance, and non-conductive. Cord clamp has removable insert to accommodate #16/3 SJTW through #12/3 SO cord sizes.

PERMAMINK® Hospital Grade Selection Guide





EML520R & EML630R

Ericson offers our same heavy duty receptacles that we use in our own Temporary Power Panels. These wiring devices are primarily used in our OSCAR series and can be used as replacement parts for those products. Features such as color coded screw terminals with combo heads for ease of wiring makes these superior devices the best choice.







PERMASSLINK® 50Amp Locking Plugs and Connectors

Ericson's 50 Amp plugs and connectors incorporate the latest technologies to provide wiring devices that are safer, faster to wire, lighter and easier to identify. These devices are available as plugs, connectors, inlets and receptacles and are available in 3 and 4 wire configurations.





- UL Listed, CSA Certified, CETLUS Listed
- Rugged nylon construction resists impact, corrosion and jobsite oils/chemicals
- · Quick field assembly, no need to disassemble the entire device
- Nickel plated blades and stainless steel screws provide optimum corrosion resistance
- Optional heavy-duty weather-proof boots are available and provide added environmental protection and UV resistance
- Boots can be threaded together with the optional sealing collar system to provide maximum environmental protection
- Available in plugs, connectors, inlets and receptacles

50-Amp Devices Selection Guide NEMA Electrical Ratings Perma-Link® Inlet with Flanged Receptacles Flip Cover **Inlets Configuration Volts Amps Plugs Connectors Face View** Locking, 2-pole, 3-wire Grounding Non-NEMA 50 250VDC, 600VAC 3763-P 3762-C 3771 3777 Locking, 3-pole, 4-wire Grounding 250VDC, 600VAC 3765-P 3764-C 3769 3775 Non-NEMA 50 (1) (D 250VDC, 600VAC 7765-P(1) 7764-C(1) 7379 7958 Locking, California Style, 2-pole, 3-wire Grounding CS6360-C CS6361-P 125 250 CS8265-P CS8264-C **CS8269** Non-NFMA 50 **CS8275** (*) (*) 480 CS8465-P **CS8469** Locking, California Style, 3-pole, 4-wire Grounding CS6364-C 125/250 CS6365-P CS6369 CS6375 CS6375-F Non-NEMA 50 CS8165-P CS8164-C 480, 3ø **CS8169** CS8175

Notes:

- 1. For replacement use only, not recommended for new installations
- 2. Contact factory for custom assemblies

Perma-Link® 50-Amp Accessories	Cat. Number
Weatherproof boot for plug or connector	7717
Sealing Collar for weatherproof boots	510-RR
Weatherproof receptacle cover	7788-CR







7788-CR



7717 Provides A Superior Seal With Our SR-50 Receptacle

Sealing Collar System

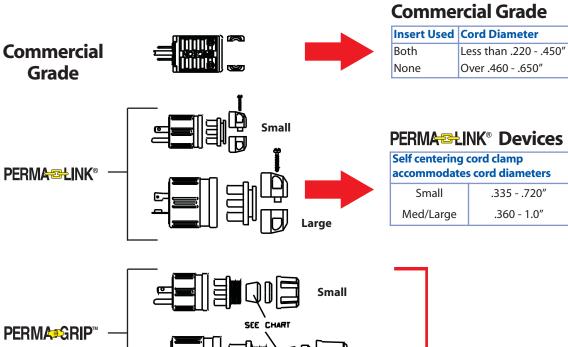
Our exclusive sealing collar system is available to provide maximum moisture protection between cordsets. The two boots are securely sealed together with threaded polycarbonate rings.

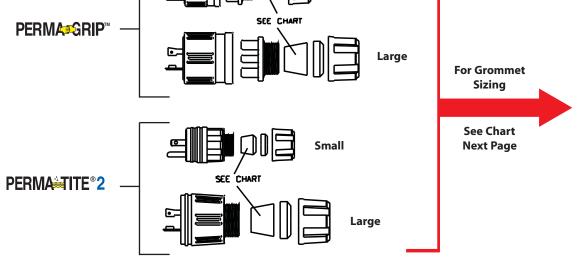






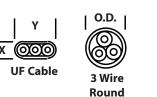




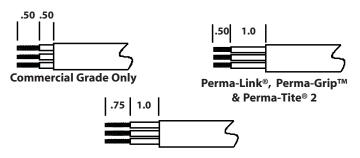


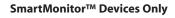


Dimensions in inches Round Cord Only











			DIUZUUAA					DIUZZUAA									
		Sm White OVAL # 24	Sm Orange OVAL # 25	Sm Yellow # 21	Sm White # 20	Sm Red # 16	Sm Blue # 18	Lg White # 91	Lg Yellow # 90	Lg Black # 89	Lg Blue # 88	Lg Gray # 87	Lg Red # 86	Lg Orange # 85			
MAX CORD DIA. (inch)	>	OVAL (UF) .160 x .360	OVAL (UF) .230 x .440	0.370	0.450	0.560	0.610	0.450	0.560	0.630	0.690	0.750	0.830	0.900		WIRE	
Plug	Connector			Yellow	White*	Red	Blue	White*	Yellow	Black	Blue	Gray	Red	Orange	3	4	3Ø
1510	1610			✓	✓	\checkmark	✓								Х		
1512	1612			✓	✓	√	✓								Х		
1514	1614	*	*	✓	✓	✓	✓								Х		
1516	1616	✓ Optional **	✓ Optional **	\checkmark	✓	✓	✓								Х		
1520	1620	Opt	Opt	\checkmark	✓	\checkmark	✓								Х		
1522	1622	>	>	\checkmark	\checkmark	\checkmark	\checkmark								Χ		
1524	1624			\checkmark	\checkmark	\checkmark	\checkmark								Χ		
2310	2410							\checkmark	\checkmark	\checkmark	\checkmark				Χ		
2312	2412							✓	\checkmark	√	\checkmark				Χ		
2314	2414							✓	\checkmark	\checkmark	\checkmark				Χ		
2316	2416							✓	✓	\checkmark	\checkmark				Χ		Х
2317	2417							✓	\checkmark	✓	\checkmark				Χ		
2320	2420								✓	✓	\checkmark	\checkmark				Х	
2322	2422								✓	✓	\checkmark	\checkmark				Х	Х
2324	2424								\checkmark	\checkmark	\checkmark	\checkmark				Х	Х
2510	2610							✓	✓	✓	\checkmark				Χ		
2512	2612							✓	\checkmark	✓	✓				Χ		
2514	2614							✓	✓	✓	\checkmark				Χ		
2516	2616							✓	✓	✓	✓				Χ		X
2520	2620										√	√	√	√		Х	
2522	2622										√	√	√	√		Х	X
2524	2624										√	√	√	√		Х	X
2526	2626										✓	✓	✓	√		X	X
2528	2628										√	√	√	√		X	X
2530	2630										\checkmark	\checkmark	\checkmark	\checkmark		Х	Х

B10220XX

B10200XX

✓ = Included in package

Diameter Ranges of Portable Electrical Cord In Accordance with UL 62

Туре	AWG Size	2 Conductors	3 Conductors	4 Conductors
SJ.SJE, SJOO,	18	0.280-0.315	0.300-0.335	0.325-0.365
SJO, SJEO, SJT,	16	0.305-0.340	0.325-0.360	0.350-0.395
, , ,	14	0.335-0.375	0.360-0.395	0.390-0.435
SJTO, SJTOO	12	0.405-0.455	0.425-0.475	0.465-0.520
	10	0.540-0.605	0.565-0.635	0.625-0.700
S, SE, SOO, SO	18	0.340-0.385	0.360-0.400	0.385-0.430
SEO, ST, STOO,	16	0.365-0.410	0.385-0.430	0.410-0.460
	14	0.495-0.550	0.520-0.575	0.560-0.620
STO	12	0.565-0.625	0.590-0.655	0.640-0.710
	10	0.615-0.685	0.650-0.720	0.700-0.775
	8	0.780-0.880	0.830-0.930	0.925-1.050
	6	0.920-1.050	0.970-1.100	1.050-1.200
	4	1.060-1.210	1.130-1.280	1.250-1.450
	2	1.210-1.400	1.300-1.500	1.450-1.650







^{*} May also appear as light tan

^{**} May be ordered separately - Call Ericson for details





24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)

Flexible MINI-SYNC™ and MICRO-SYNC™ Connectors, Cable Assemblies and Receptacles



FEATURES:



- NEMA 6P and IP68 protection
- Made in the USA
- Compatible with U.S. and European sensors
- High-impact resistant contact carriers
- · Highly accurate machined contacts
- Corrosion resistant gold plated contacts
- Secure pin and contact crimp termination
- Mechanically keyed
- Field installable
- Stress and harsh environment resistant
- Vibration resistant

Ericson's family of MINI-SYNC™ and MICRO-SYNC™ connectors, cable assemblies and receptacles offer the flexibility, vibration resistance and product configuration options necessary for today's challenging manufacturing environments. These connectors have been designed for low amperage AC or DC control systems, and are compatible with the pin configurations used by major U.S. and European sensor manufacturers.

MINI-SYNC™ and MICRO-SYNC™ plugs and cable assemblies are excellent for use where flexibility and resistance to stress, abuse, and harsh physical environments is essential. A wide range of configuration alternatives are available including male and female connections, 2 thru 12 pole pin-outs, straight or 90° configurations, and single or dual keyway.

Flexible connector configurations make these products ideal for applications where proximity switches, limit switches, photoelectric switches and solenoids are used including:

- Automotive Assembly
- Automated Machinery
- Packaging Equipment
- Conveyor Sensors
- Material Handling
- Robotics

- Packaging Machinery
- Automated Assembly
- Automated Inspection









Materials

Body: PVC

Contact Carrier: Nitrile Rubber **Contact Sleeve:** Stainless Steel

Contact: Brass, Gold Plated over Nickel **Coupling Nut:** Machined Aluminum,

Black Anodized

Cable: #16 AWG Type PVC, 65 x #34

stranding 105° C

Other cables available

Cable Diameters: 2/C-.37", 3/C-.39", 4/C-.42",

5/C-.50",6/C-53"

Electrical

Voltage Rating: 600 VAC **Contact Resistance:** \leq ;5 m Ω

Environmental

Protection: IP68, NEMA 6P

Operating Temp: -20°C to 105°C

Certifications

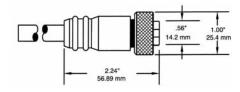


OPTIONS

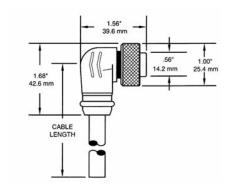
#18 AWG (PVC) Plug Assemblies Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories.

Straight Connector



90° Plug Connector



Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MINI-SYNC™ Straight Male	MINI-SYNC™ Male 90°	MINI-SYNC™ Female Straight	MINI-SYNC™ Female 90°
				3 ft./0.91m	82MS003A	82M9003A	82FS003A	82F9003A
	Male			6 ft./1.83m	82MS006A	82M9006A	82FS006A	82F9006A
2	© Female	13A	1-White	12 ft./3.66m	82MS012A	82M9012A	82FS012A	82F9012A
		600V	2-Black	15 ft./4.57m	82MS015A	82M9015A	82FS015A	82F9015A
				20 ft./6.10m	82MS020A	82M9020A	82FS020A	82F9020A
				3 ft./0.91m	83MS003A	83M9003A	83FS003A	83F9003A
	Male	13A	1 Groop	6 ft./1.83m	83MS006A	83M9006A	83FS006A	83F9006A
3	② ③/ Female	600V	1-Green 2-Black 3-White	12 ft./3.66m	83MS012A	83M9012A	83FS012A	83F9012A
	(0° 0)			15 ft./4.57m	83MS015A	83M9015A	83FS015A	83F9015A
				20 ft./6.10m	83MS020A	83M9020A	83FS020A	83F9020A
				3 ft./0.91m	84MS003A	84M9003A	84FS003A	84F9003A
	Male	10A	1-Black 2-White 3-Red 4-Green	6 ft./1.83m	84MS006A	84M9006A	84FS006A	84F9006A
4	© ③ Female	600V		12 ft./3.66m	84MS012A	84M9012A	84FS012A	84F9012A
				15 ft./4.57m	84MS015A	84M9015A	84FS015A	84F9015A
				20 ft./6.10m	84MS020A	84M9020A	84FS020A	84F9020A
				3 ft./0.91m	85MS003A	85M9003A	85FS003A	85F9003A
	Male	8A 600V	1-White	6 ft./1.83m	85MS006A	85M9006A	85FS006A	85F9006A
5	Female	0000	2-Red 3-Green	12 ft./3.66m	85MS012A	85M9012A	85FS012A	85F9012A
			4-Orange 5-Black	15 ft./4.57m	85MS015A	85M9015A	85FS015A	85F9015A
				20 ft./6.10m	85MS020A	85M9020A	85FS020A	85F9020A
				3 ft./0.91m	86MS003A	86M9003A	86FS003A	86F9003A
	Male	8A 600V	1-White 2-Red	6 ft./1.83m	86MS006A	86M9006A	86FS006A	86F9006A
6	Female		3-Green 5-Black	12 ft./3.66m	86MS012A	86M9012A	86FS012A	86F9012A
			4-Orange	15 ft./4.57m	86MS015A	86M9015A	86FS015A	86F9015A
	689		6-Blue	20 ft./6.10m	86MS020A	86M9020A	86FS020A	86F9020A







Materials

Body: PVC

Contact Carrier: Nitrile Rubber **Contact Sleeve:** Stainless Steel

Contact: Brass, Gold Plated over Nickel **Coupling Nut:** Machined Aluminum,

Black Anodized

Cable: #16 AWG Type PVC, 65 x #34

stranding 105° C Other cables available

Cable Diameters: 2/C-.37", 3/C-.39", 4/C-.42", 5/C-.50",6/C-53"

Electrical

Voltage Rating: 600 VACContact Resistance: <;5m Ω

Environmental

Protection: IP68, NEMA 6P

Operating Temp: -20°C to 105°C

Certifications

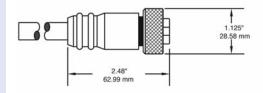


OPTIONS

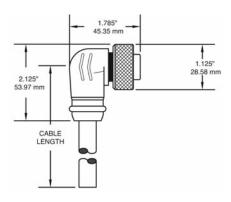
#18 AWG (PVC) Plug Assemblies Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories.

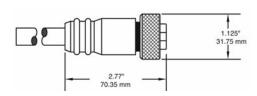
6-8 POLE Straight Connector



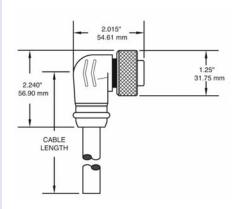
90° Connector



9-12 POLE Straight Connector



90° Connector





Poles	Male Face View	Rating	Wiring Code	Overall Length (ft./m)	MINI-SYNC™ Straight Male	MINI-SYNC™ Male 90°	MINI-SYNC™ Female Straight	MINI-SYNC™ Female 90°
				3 ft./0.91m	86BMS003A	86BM9003A	86BFS003A	86BF9003A
6 B		8A 600V	1-White 2-Red	6 ft./1.83m	86BMS006A	86BM9006A	86BFS006A	86BF9006A
C:			3-Green 5-Black	12 ft./3.66m	86BMS012A	86BM9012A	86BFS012A	86BF9012A
Size			4-Orange 6-Blue	15 ft./4.57m	86BMS015A	86M9015A	86FBS015A	86BF9015A
				20 ft./6.10m	86BMS020A	86BM9020A	86BFS020A	86BF9020A
				3 ft./0.91m	87MS003A	87M9003A	87FS003A	87F9003A
		7A 600V	1-White 2-Red	6 ft./1.83m	87MS006A	87M9006A	87FS006A	87F9006A
7	0000		3-Green 5-Black 4-Orange	12 ft./3.66m	87MS012A	87M9012A	87FS012A	87F9012A
		6-Blue 7-Green	15 ft./4.57m	87MS015A	87M9015A	87FS015A	87F9012A	
				20 ft./6.10m	87MS020A	87M9020A	87FS020A	87F9020A
		7A	1-White	3 ft./0.91m	88MS003A	88M9003A	88FS003A	88F9003A
		600V	2-Red 3-Green	6 ft./1.83m	88M9006A	88M9006A	88FS006A	88F9006A
8	(000 000)		5-Black 4-Orange	12 ft./3.66m	88MS012A	88M9012A	88FS012A	88F9012A
			6-Blue 7-Green	15 ft./4.57m	88MS015A	88M9015A	88FS015A	88F9015A
			8-White-Blk.Tr.	20 ft./6.10m	88MS020A	88M9020A	88FS020A	88FS020A
		7A	1-Orange	3 ft./0.91m	89MS003A	89M9003A	89FS003A	89F9003A
		600V	2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr.	6 ft./1.83m	89MS006A	89M9006A	89FS006A	89F9006A
9			5-White 6-Red	12 ft./3.66m	89MS012A	89M9012A	89FS012A	89F9012A
			7-Green 8-White-Blk.Tr.	15 ft./4.57m	89MS015A	89M9015A	89FS015A	89F9015A
			9-Black	20 ft./6.10m	89MS020A	89M9020A	89FS020A	89F9020A
		7A	1-Orange	3 ft./0.91m	810MS003A	810M9003A	810FS003A	810F9003A
		600V	2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr.	6 ft./1.83m	810MS006A	810M9006A	810FS006A	810F9006A
10	(0 <u>0</u> 0)		5-Green-Blk.Tr. 6-Orange-Blk.Tr.	12 ft./3.66m	810MS012A	810M9012A	810FS012A	810F9012A
			7-Red 8-Green	15 ft./4.57m	810MS015A	810M9015A	810FS015A	810F9015A
			9-Black 10-White	20 ft./6.10m	810MS020A	810M9020A	810FS020A	810F9020A
		7A 600V	1-Orange 2-Blue	3 ft./0.91m	812MS003A	812M9003A	812FS003A	812F9003A
			3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr.	6 ft./1.83m	812MS006A	812M9006A	812FS006A	812F9006A
12		6-0	6-Orange-Blk.Tr. 7-Blue-Blk.Tr.	12 ft./3.66m	812MS012A	812M9012A	812FS012A	812F9012A
			7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green	15 ft./4.57m	812MS015A	812M9015A	812FS015A	812F9015A
			10-Red 11-White 12-Black	20 ft./6.10m	812MS020A	812M9020A	812FS020A	812F9020A







MATERIALS

Insert Material: Nitrile Rubber **Contact:** Brass, Gold Plated over

Nickel

Sleeve: Stainless Steel

Shell: Machined Aluminum, Black Anodized (stainless steel available) **Wire:** #16 AWG/600 Volts 26 x

#30 Stranding **"O" Ring:** Viton

Lock nut: Plated Steel (not pictured)

ELECTRICAL

Voltage Rating: 600 VAC **Contact Resistance:** \leq 5m Ω

ENVIRONMENTAL

Protection: IP68, NEMA 6P

Operating Temp: -50°C to 90°C (UL),

-34°C to 90°C (CSA)

CERTIFICATIONS



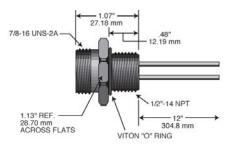
OPTIONS

Stainless Steel Hardware can be specified - add "SS" after Part Number; to specify 18 AWG Wire add "-18" after the Part Number.

Not available in stainless steel.

DIMENSIONS

Receptacle





Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	Male Straight Receptacle 12 in. Leads	Female Straight Receptacle 12 in. Leads
2	(io o)	13A 600V	1-White 2-Black	12 in.	82MRC	82FRC
3	[100 00	13A 600V	1-Green 2-Black 3-White	12 in.	83MRC	83FRC
4	60	10A 600V	1-Black 2-White 3-Red 4-Green	12 in.	84MRC	84FRC
5	600	8A 600V	1-White 2-Red 3-Green 4-Orange 5-Black	12 in.	85MRC	85FRC
6		8A 600V	1-White 2-Red 3-Green 5-Black 4-Orange 6-Blue	12 in.	86MRC	86FRC





Specifications MATERIALS

Insert Material: Nitrile Rubber Contact: Brass, Gold Plated over

Sleeve: Stainless Steel

Shell: Machined Aluminum, Black Anodized (stainless steel available) Wire: #16 AWG/600 Volts 26 x

#30 Stranding "O" Ring: Viton

Lock nut: Plated Steel (not pictured)

ELECTRICAL

Voltage Rating: 600 VAC **Contact Resistance:** $\leq 5 \text{m} \Omega$

ENVIRONMENTAL

Protection: IP68, NEMA 6P

Operating Temp: -50°C to 90°C (UL),

-34°C to 90°C (CSA)

CERTIFICATIONS



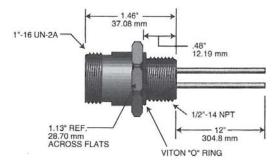
OPTIONS

Stainless Steel Hardware can be specified - add "SS" after Part Number; to specify 18 AWG Wire add "-18" after the Part Number.

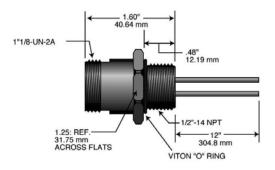
Not available in stainless steel.

DIMENSIONS

6B-8 POLE Receptacle



6B-12 POLE Receptacle







Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	Male Straight Receptacle 12 in. Leads	Female Straight Receptacle 12 in. Leads
6 B Size		8A 600V	1-White 2-Red 3-Green 5-Black 4-Orange 6-Blue 7-Green	12 inches	86BMRC	86BFRC
8		8A 600V	1-White 2-Red 3-Green 5-Black 4-Orange 6-Blue 7-Green 8-White-Blk.Tr.	12 inches	88MRC	88FRC
9		7A 600V	1-Orange 2-Blue 3-Red-Blk.Tr. 4-Green-Blk.Tr. 5-White 6-Red 7-Green 8-White-Blk.Tr. 9-Black	12 inches	89MRC	89FRC
10	© © © © © © © © © © © © © © © © © © ©	7A 600V	1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Red 8-Green 9-Black 10-White	12 inches	810MRC	810FRC
12		7A 600V	1-Orange 2-Blue 3-White-Blk.Tr. 4-Red-Blk.Tr. 5-Green-Blk.Tr. 6-Orange-Blk.Tr. 7-Blue-Blk.Tr. 8-Black-Wht.Tr. 9-Green 10-Red 11-White 12-Black	12 inches	812MRC	812FRC







MATERIALS

Body: PVC

Contact Carrier: Nitrile Rubber Contact Sleeve: Stainless Steel Contact: Brass, Gold Plated over Nickel

Coupling Nut: Machined Aluminum, Black Anodized

Cable: #16 AWG Type PVC, 65 x

#34 stranding, 105° C Other cables available

Cable Diameters: 2/C-.37", 3/C-.39",

4/C-.42", 5/C-.50", 6/C-.53"

ELECTRICAL

Voltage Rating: 600 VAC**Contact Resistance:** $\leq 5 \text{m} \Omega$

ENVIRONMENTAL

Protection: IP68, NEMA 6P **Operating Temp:** -20°C to 105°C

CERTIFICATIONS



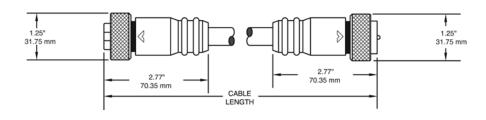
OPTIONS

#18 AWG (PVC) Plug Assemblies Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories

DIMENSIONS

Female/Male Cordset

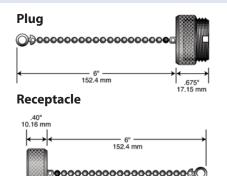




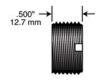
Poles	Face Views	Rating	Overall Wiring Code	Length (ft./m)	MINI-SYNC™ Male/Female Straight	MINI-SYNC™ Male 90°/Female Straight	MINI-SYNC™ Male 90°/Female 90°	MINI-SYNC™ Female 90° / Male Straight					
	Male			3 ft./0.91m	82FMS003A	82M9FS003A	82F9M9003A	82F9MS003A					
				6 ft./1.83m	82FMS006A	82M9FS006A	82F9M9006A	82F9MS006A					
2	2 Female	13A 600V	1-White 2-Black	12 ft./3.66m	82FMS012A	82M9FS012A	82F9M9012A	82F9MS012A					
	(a)			15 ft./4.57m	82FMS015A	82M9FS015A	82F9M9015A	82F9MS015A					
	(g)			20 ft./6.10m	82FMS020A	82M9FS020A	82F9M9020A	82F9MS020A					
	Male			3 ft./0.91m	83FMS003A	83M9FS003A	83F9M9003A	83F9MS003A					
	0 0	13A	1-Green	6 ft./1.83m	83FMS006A	83M9FS006A	83F9M9006A	83F9MS006A					
3	Female	600V	2-Black	12 ft./3.66m	83FMS012A	83M9FS012A	83F9M9012A	83F9MS012A					
	(5)		3-White	15 ft./4.57m	83FMS015A	83M9FS015A	83F9M9015A	83F9MS015A					
	(0.0)			20 ft./6.10m	83FMS020A	83M9FS020A	83F9M9020A	83F9MS020A					
	Male	10A 600V							3 ft./0.91m	84FMS003A	84M9FS003A	84F9M9003A	84F9MS003A
				6 ft./1.83m	84FMS006A	84M9FS006A	84F9M9006A	84F9MS006A					
4	© ③ Female			12 ft./3.66m	84FMS012A	84M9FS012A	84F9M9012A	84F9MS012A					
			4-Green	15 ft./4.57m	84FMS015A	84M9FS015A	84F9M9015A	84F9MS015A					
	(6 6)			20 ft./6.10m	84FMS020A	84M9FS020A	84F9M9020A	84F9MS020A					
	Male			3 ft./0.91m	85FMS003A	85M9FS003A	85F9M9003A	85F9MS003A					
		8A 600V	1-White 2-Red	6 ft./1.83m	85FMS006A	85M9FS006A	85F9M9006A	85F9MS006A					
5	Female	000 V	3-Green	12 ft./3.66m	85FMS012A	85M9FS012A	85F9M9012A	85F9MS012A					
			4-Orange 5-Black	15 ft./4.57m	85FMS015A	85M9FS015A	85F9M9015A	85F9MS015A					
			J Jimen	20 ft./6.10m	85FMS020A	85M9FS020A	85F9M9020A	85F9MS020A					
	Male	8A	1-White	3 ft./0.91m	86FMS003A	86M9FS003A	86F9M9003A	86F9MS003A					
	000	600V	2-Red	6 ft./1.83m	86FMS006A	86M9FS006A	86F9M9006A	86F9MS006A					
6	Female		3-Green 4-Orange	12 ft./3.66m	86FMS012A	86M9FS012A	86F9M9012A	86F9MS012A					
			5-Black	15 ft./4.57m	86FMS015A	86M9FS015A	86F9M9015A	86F9MS015A					
			6-Blue	20 ft./6.10m	86FMS020A	86M9FS020A	86F9M9020A	86F9MS020A					

Closure Caps for Plugs and Receptacles

Adapter for Joining Two Cable Assemblies



Number of Poles	Plugs	Receptacles
2, 3, 4, 5, or 6 (A Size)	826AETCC	826AITCC
6 (B Size), 7, or 8	86B8ETCC	86B8ITCC
9 10 or 12	8012FTCC	8912ITCC



Number of Poles	Part Number
2, 3, 4, 5, or 6 (A Size)	826AJAD
6 (B Size), 7, or 8	86B8JAD
9, 10, or 12	8912JAD









MATERIALS

Body: PVC

O-Ring: Nitrile Rubber Contact Carrier: Zytel ST801

Contact: Brass, Gold Plated over Nickel

Coupling Nut: Machined Aluminum, Clear Anodized **Cable:** #22 AWG PVC 26 x #36 stranding, 105°C, Or #18 AWG PVC 41 x #34 stranding, 105°C,

UL Recognized, CSA Certified

Cable Diameters: #22 AWG PVC w/o braid, 2/C-.17",

3/C-.18", 4/C-.19", 5/C-.21",6/C-22"

ELECTRICAL

Voltage Rating: 300 VAC

Current Rating: #22 AWG 2 to 5 Pole - 4A,

6 Pole – 3A, #18 AWG – 5A Contact Resistance: <5mΩ

ENVIRONMENTAL

Protection: IP68, NEMA 6P **Operating Temp:** -20°C to 105°C

Certifications





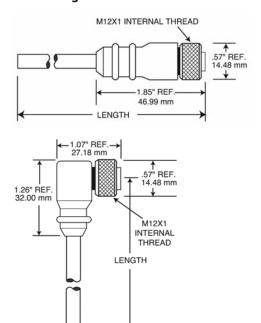
OPTIONS

#18 AWG (PVC) Plug Assemblies (2-5) Poles Stainless Steel Couplers Plastic Couplers

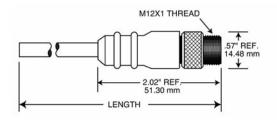
Consult the factory for custom wire length and a full range of wire management product accessories

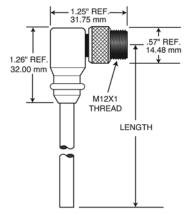
DIMENSIONS

Female Plugs



Male Plugs





Poles	Face View	Rating	Wiring Code	OveralLength (m/ft.)	MICRO-SYNC™ Straight Male	MICRO-SYNC™ Male 90°	MICRO-SYNC™ Female Straight	MICRO-SYNC™ Female 90°	
	Male		1 Dunner	2m / 6.6 ft.	93MSE2G	93M9E2G	93FS2G	93F92G	
3	Female	4A 300V	1-Brown 2-N/A 3-Blue	4m / 13.1 ft.	93MSE4G	93M9E4G	93FS4G	93F94G	
			4- Black	5m / 16.3 ft.	93MSE5G	93M9E5G	93FS4G	93F95G	
	Male		1-Brown	2m / 6.6 ft.	94MSE2G	94M9E2G	94FS2G	94F92G	
4	Female	4A 300V	2-White 3-Blue	4m / 13.1 ft.	94MSE4G	94M9E4G	94FS4G	94F94G	
			4-Black	5m / 16.3 ft.	94MSE5G	94M9E5G	94FS5G	94F95G	
	Male Semale Semale		1-Brown	2m / 6.6 ft.	95MSE2G	95M9E2G	95FS2G	95F92G	
5		4A 300V		2-White 3-Blue 4-Black	4m / 13.1 ft.	95MSE4G	95M9E4G	95FS4G	95F94G
			5-Grey	5m / 16.3 ft.	95MSE5G	95M9E5G	95FS5G	95F95G	





MATERIALS

Body: PVC

O-Ring: Nitrile Rubber Contact Carrier: Zytel ST801

Contact: Brass, Gold Plated over Nickel

Coupling Nut: Machined Aluminum, Clear Anodized **Cable:** #22 AWG PVC 26 x #36 stranding, 105°C, Or

#18 AWG PVC 41 x #34 stranding, 105°C,

UL Recognized, CSA Certified

Cable Diameters: #22 AWG PVC w/o braid, 2/C-.17", 3/C-.18", 4/C-.19", 5/C-.21",6/C-22"

ELECTRICAL

Voltage Rating: 300 VAC

Current Rating: #22 AWG 2 to 5 Pole – 4A,

6 Pole – 3A, #18 AWG – 5A **Contact Resistance:** $< 5m\Omega$

ENVIRONMENTAL

Protection: IP68, NEMA 6P Operating Temp: -20°C to 105°C

CERTIFICATIONS

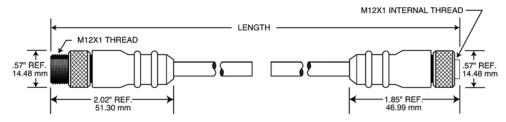


OPTIONS

#18 AWG (PVC) Plug Assemblies (2-5) Poles Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories

DIMENSIONS





Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MICRO-SYNC™ DC Female / Male Straight	
	Male	4A	1-Brown	6 ft. / 1.8 m	93FMSE2G	
3	Female	300V	2-N/A 3-Blue 4-Black	12 ft. / 3.6 m	93FMSE4G	
			4-DIACK	20 ft / 6.1 m	93FMSE5G	
	Male		1 Dressure	6 ft. / 1.8 m	94FMSE2G	
4	Female		4A 300V	1-Brown 2-White 3-Blue 4-Black	12 ft. / 3.6 m	94FMSE4G
	(689)		4-Diack	20 ft / 6.1 m	94FMSE5G	
	Male	Male 4A 300V Female	1-Brown	6 ft. / 1.8 m	95FMSE2G	
5	Female		2-White 3-Blue 4-Black 5-Grey	12 ft. / 3.6 m	95FMSE4G	
				20 ft / 6.1 m	95FMSE5G	







MATERIALS

Insert Material: Zytel ST801 **O-Ring:** Nitrile Rubber

Contact: Brass, Gold Plated over Nickel **Shell:** Machine Aluminum, Black Anodized

Lock Nut: Plated Steel

Wire: #22 AWG PVC Insulated 26 x #36

stranding, 80°C

ELECTRICAL

Voltage Rating: 300 VAC **Current Rating:** #22 AWG 2- 4A,

#18 AWG - 5A

Contact Resistance: <5mΩ

ENVIRONMENTAL

Protection: IP68, NEMA 6P Operating Temp: **-20°C to 80°C**

CERTIFICATIONS



OPTIONS

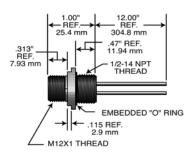
#18 AWG (PVC) Leads Stainless Steel Shells

Not available on back panel mount styles

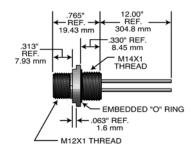
DIMENSIONS

Male Receptacles

1/2" NPT

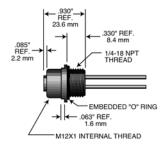


M14 x 1

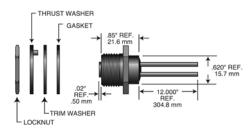


Female Receptacles

1/4" NPT



Back Panel Mount





Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MICRO-SYNC™ DC Male 1/2" NPT	MICRO-SYNC™ DC Male M14 x 1	MICRO-SYNC™ DC Female 1/4" NPT	MICRO-SYNC™ DC Female Back Panel
3	Male (S)	4A 300V	1-Brown 2-N/A 3-Blue 4-Black	12 inches	93MRK2	93MRK4	93FRK1	93FRK3
4	Male Semale Semale Semale Semale Semale Semale Semanting	4A 300V	1-Brown 2-White	12 inches	94MRK2	94MRK4	94FRK1	94FRK3
5	Male (S) (S) (S) (S) (S) (S) (S) (S)	4A 300V	1-Brown 2-White 3-Blue 4-Black 5-Grey	12 inches	95MRK2	95MRK4	95FRK1	95FRK3





MATERIALS

Body: PVC

O-Ring: Nitrile Rubber

Contact Carrier: Zytel ST801

Contact: Brass, Gold Plated over Nickel

Coupling Nut: Machined Aluminum, Clear Anodized **Cable:** #22 AWG PVC 26 x #36 stranding, 105°C, Or #18 AWG PVC 41 x #34 stranding, 105°C,

UL Recognized, CSA Certified

Cable Diameters: #22 AWG PVC w/o braid, 2/C-.17",

3/C-.18", 4/C-.19", 5/C-.21",6/C-22"

ELECTRICAL

Voltage Rating: 300 VAC

Current Rating: #22 AWG 2 to 5 Pole - 4A,

6 Pole – 3A, #18 AWG – 5A Contact Resistance: <5mΩ

ENVIRONMENTAL

Protection: IP68, NEMA 6P **Operating Temp:** -20°C to 105°C

CERTIFICATIONS



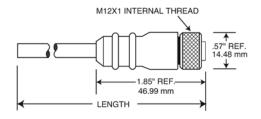
OPTIONS

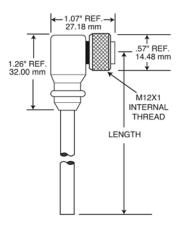
#18 AWG (PVC) Plug Assemblies (2-5) Poles Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories

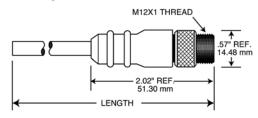
DIMENSIONS

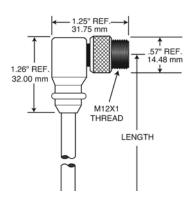
Female Plugs





Male Plugs





Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MICRO-SYNC™ Male Straight	MICRO-SYNC™ Male 90°	MICRO-SYNC™ Female Straight	MICRO-SYNC™ Female 90°
	Male			6 ft. / 1.8 m	72MSE006F	72M9E006F	72FS006F	72F9006F
2	Female	4A 300V	1-Brown 2-Blue	12 ft. / 3.6 m	72MSE012F	72M9E012F	72FS012F	72F9012F
	0			20 ft / 6.1 m	72MSE020F	72M9E020F	72FS020F	72F9020F
	Male			6 ft. / 1.8 m	73MSE006F	73M9E006F	73FS006F	73F9006F
3	Female	4A 300V	1-Brown 2-Red/Black 3-Red/White	12 ft. / 3.6 m	73MSE012F	73M9E012F	73FS012F	73F9012F
				20 ft / 6.1 m	73MSE020F	73M9E020F	73FS020F	73F9020F
	Male	4A 300V	1-Red/Black 2-Red/White 3-Red 4-Green	6 ft. / 1.8 m	74MSE006F	74M9E006F	74FS006F	74F9006F
4	Female			12 ft. / 3.6 m	74MSE012F	74M9E012F	74FS012F	74F9012F
	(00)			20 ft / 6.1 m	74MSE020F	74M9E020F	74FS020F	74F9020F
	Male 0 6	4A 1-Red/White 2-Red 3-Green 4-Red/Yellov 5-Red/Black	0V 2-Red 3-Green 4-Red/Yellow	6 ft. / 1.8 m	75MSE006F	75M9E006F	75FS006F	75F9006F
5	Female			12 ft. / 3.6 m	75MSE012F	75M9E012F	75FS012F	75F9012F
			5-Red/Black	20 ft / 6.1 m	75MSE020F	75M9E020F	75FS020F	75F9020F
	Male (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	4A 300V	1-Red/White 2-Red	6 ft. / 1.8 m	76MSE006F	76M9E006F	76FS006F	76F9006F
6			3-Green 4-Red/Yellow 5-Red/Black	12 ft. / 3.6 m	76MSE012F	76M9E012F	76FS012F	76F9012F
	(000)		6-Red/Blue	20 ft / 6.1 m	76MSE020F	76M9E020F	76FS020F	76F9020F





MATERIALS

Body: PVC

O-Ring: Nitrile Rubber Contact Carrier: Zytel ST801

Contact: Brass, Gold Plated over Nickel **Coupling Nut:** Machined Aluminum,

Clear Anodized

Cable: #22 AWG PVC 26 x #36 stranding, 105°C, Or #18 AWG PVC 41 x #34 stranding, 105°C,

UL Recognized, CSA Certified

Cable Diameters: #22 AWG PVC w/o braid, 2/C-

.17", 3/C-.18", 4/C-.19", 5/C-.21",6/C-22"

ELECTRICAL

Voltage Rating: 300 VAC

Current Rating: #22 AWG 2 to 5 Pole - 4A,

6 Pole – 3A, #18 AWG – 5A **Contact Resistance:** $<5m\Omega$

ENVIRONMENTAL

Protection: IP68, NEMA 6P **Operating Temp:** -20°C to 105°C

CERTIFICATIONS

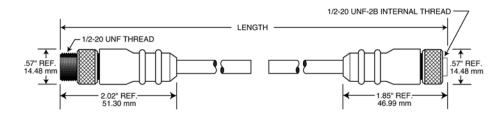


OPTIONS

#18 AWG (PVC) Plug Assemblies (2-5) Poles Stainless Steel Couplers Plastic Couplers

Consult the factory for custom wire length and a full range of wire management product accessories

DIMENSIONS





Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MICRO-SYNC™ AC Female / Male Straight
	Male			6 ft. / 1.8 m	72FMSE006F
2	Female	4A 300V	1-Brown 2-Blue	12 ft. / 3.6 m	72FMSE012F
				20 ft / 6.1 m	72FMSE020F
	Male	4A	1-Brown	6 ft. / 1.8 m	73FMSE006F
3	Female	300V	2-N/A 3-Blue	12 ft. / 3.6 m	73FMSE012F
	000		4-Black	20 ft / 6.1 m	73FMSE020F
	Male	4A	1-Brown	6 ft. / 1.8 m	74FMSE006F
4	Male	male 300V	2-White 3-Blue 4-Black	12 ft. / 3.6 m	74FMSE012F
	(00)		4-DIACK	20 ft / 6.1 m	74FMSE020F
	Male	4A	1-Brown	6 ft. / 1.8 m	75FMSE006F
5	Female	300V	2-White 3-Blue 4-Black	12 ft. / 3.6 m	75FMSE012F
	(9 0)		5-Grey	20 ft / 6.1 m	75FMSE020F
	Male	4A 300V	1-Red/White 2-Red	6 ft. / 1.8 m	76FMSE006F
6	Female	333.	3-Green 4-Red/Yellow	12 ft. / 3.6 m	76FMSE012F
	(00)		5-Red/Black 6-Red/Blue	20 ft / 6.1 m	76FMSE020F





MATERIALS

Insert Material: Zytel ST801 **O-Ring:** Nitrile Rubber

Contact: Brass, Gold Plated over Nickel **Shell:** Machine Aluminum, Clear Anodized

Lock Nut: Plated Steel

Wire: #22 AWG PVC Insulated 26 x #36

stranding, 80°C

ELECTRICAL

Voltage Rating: 300 VAC

Current Rating: #22 AWG – 2 to 5 Pole – 4A, 6 Pole – 3A / #18 AWG – 5A

Contact Resistance: $<5m\Omega$

ENVIRONMENTAL

Protection: IP68, NEMA 6P **Operating Temp:** -20°C to 80°C

CERTIFICATIONS



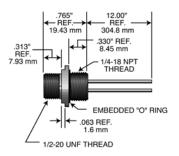
OPTIONS

#18 AWG (PVC) Leads Stainless Steel Shells

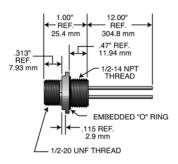
DIMENSIONS

Male Receptacles

1/4" NPT

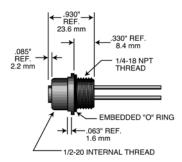


1/2" NPT

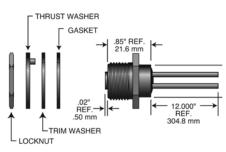


Female Receptacles

1/4" NPT



Back Panel Mount

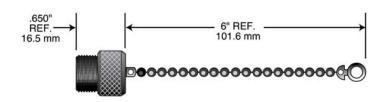




Poles	Face View	Rating	Wiring Code	Overall Length (ft./m)	MICRO-SYNC™ AC Male 1/2" NPT	MICRO-SYNC™ AC Male 1/4" NPT	MICRO-SYNC™ AC Female 1/4" NPT	MICRO-SYNC™ AC Female Back Panel
2	Male © ® Female	4A 300V	1-Brown 2-Blue	12 inches	72MRK2	72MRK1	72FRK1	72FRK3
3	Male (a) (b) Female (b) (a) (b)	4A 300V	1-Brown 2-Red/Black 3-Red/White	12 inches	73MRK2	73MRK1	73FRK1	73FRK3
4	Male (a) (b) (c) (d) (d) (d)	4A 300V	1-Red/Black 2-Red/White 3-Red 4-Green	12 inches	74MRK2	74MRK1	74FRK1	74FRK3
5	Male (0 0 0 (0 0 0) Female	4A 300V	1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	12 inches	75MRK2	75MRK1	75FRK1	75FRK3
6	Male (0.6) (0.6) Female	4A 300V	1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue	12 inches	76MRK2	76MRK1	76FRK1	N/A

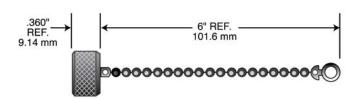
Wire Management Accessories

Closure Caps for Plugs and Receptacles With Internal Threads



Single Key (M12)	Dual Key (1/2-20)
9ETSKCC	7ETDKCC

Closure Caps for Plugs and Receptacles With External Threads

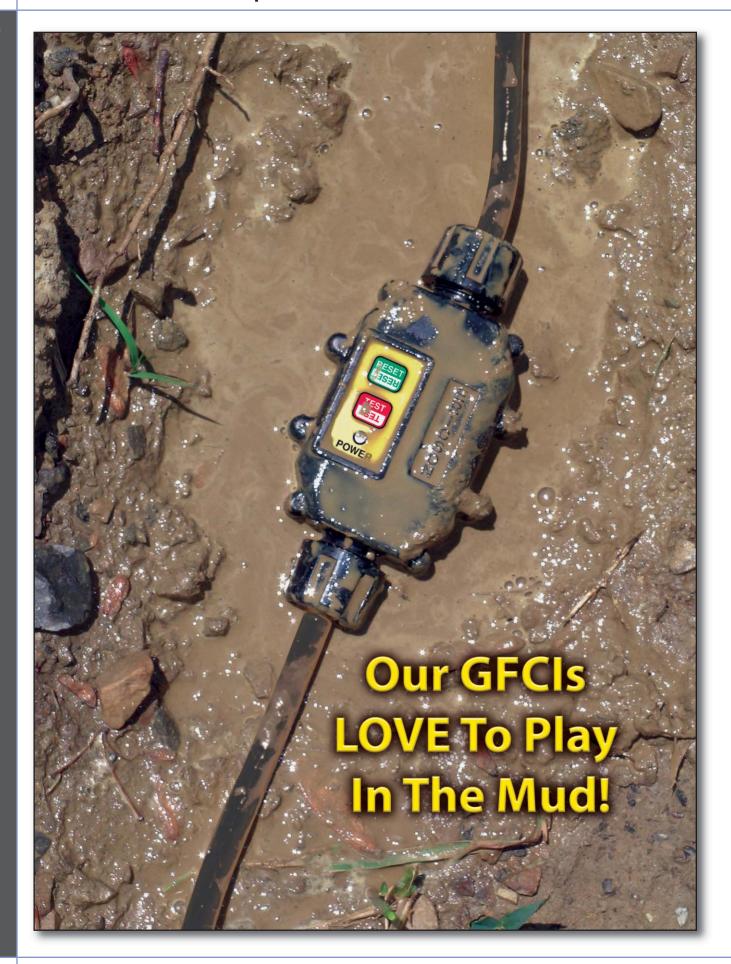


Single Key (M12)	Dual Key (1/2-20)
9ITSKCC	7ITDKCC

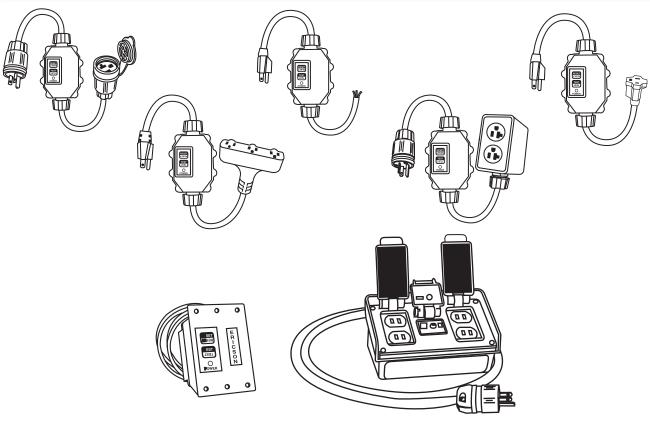






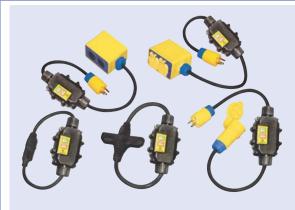






24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)





XG2 Series - Inline GFCI

- Heavy duty, industrial, portable GFCI sealed base
- Indoor/outdoor use: superior design provides increased resistance to impact, heat, UV exposure, and is water tight
- New and improved TEST and RESET buttons are easier to operate and provide enhanced tactile feel and audible feedback
- Redesigned circuit conforms to the NEW UL 943 standard for safety governing GFCIs
 - Corrosion test ensures greater immunity to damp, corrosive environments
- Many configurations to choose from



1075 Panel Mount GFCI

- UL & cUL recognized to UL943 2003
- Quick and easy field installation into temporary panels and workboxes
- Compact & portable, this unit is easy to use, store and transport
- NEMA 3R rain rated face
- Meets NEC & OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Manual & automatic power-up models available
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation



1060 Series Multiple Outlet GFCI

- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- Unit comes standard with extra hard usage #12/3 SEO cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status



Generator GFCI Cordsets

- Rubberized Box eliminates "hot" un-grounded dangerous metal quad boxes
- Heavy Duty Perma-Link™ Plug with rubberized body and nickel plated blades
- Heavy Duty cord for long service life
- GFCI Protection GFCI 5-20 Duplexes protecting 5-20 duplex receptacles
- Heavy Duty cord strain relief at box stands up to rough duty
- 2, 25, 50 and 100 ft cord lengths keeps generator noise away from work area

Looking for the best GFCI in the industry? Look at the Ericson XG2 line of GFCIs for your job needs. Tough, fully sealed, NEMA 6P submersible GFCI body with all-weather pushbuttons makes this GFCI the right choice. Many options to order for your particular needs and environments. Customizable with many options to suit.

XG2 Customizing

BODY Secondary Side Cord length (some restrictions apply) Custom stamped Color Connector or Box • Lights not recommended for GFCI circuits Primary Side

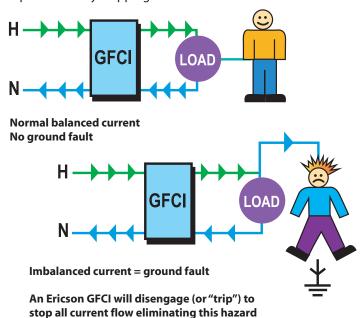
- Plug type
- Cord Lengths over 1 ft. art not available
- Plug color





How a Ground Fault Circuit Interrupter (GFCI) works...

A GFCI is a fast acting circuit opening or breaking device that stops the flow of dangerous current in the event of electrical shock. The GFCI uses precise electronic circuitry to sense the imbalance of the load from the hot and neutral lines. In other words, the GFCI monitors the current flow leaving and coming on both the hot and neutral lines of the circuit. In the event of an imbalance, the GFCI immediately releases the holding relay and breaks both the hot and neutral lines simultaneously thereby stopping the current flow and preventing human injury. The GFCI is not a circuit breaker in that it does not sense the overall load and disconnect in the event of full or excess balanced current flow. The imbalance in current flow can be very small to "trip" a GFCI. Whenever the current flow "going" and "returning" differs more than 5 mA (+/- 1 mA), the GFCI opens the relay stopping the current flow.



Beware of "Open Neutrals" and "Reverse Phasing"...

Normally, GFCI receptacles (like those found in your bathroom) can sense ground-faults. However, if the line-side neutral conductor is opened or lifted at a panel, the circuitry in the GFCI receptacles will not have the necessary complete circuit path from which to operate. That means that GFCI is no longer capable of sensing and disengaging. This is called an "open neutral." Anyone using the receptacles protected by the disabled GFCI will not have GFCI protection. And if a faulted tool is connected to the now-unprotected receptacle, the user will be exposed to a shock or electrocution hazard.

Agency Safety Testing (UL) for Portable Temporary GFCIs and Residential GFCIs is different...

UL 943 is the test standard for GFCIs. However, there is a difference in the requirements for temporary Jobsite GFCIs and the standard residential duplex wall mounted GFCI receptacle. These duplex receptacles are not designed for temporary jobsite power and personnel protection under OSHA, NEC or Canadian C22.2 safety workplace rules. The

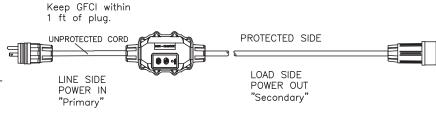
residential GFCI duplex can still operate with an open neutral condition due to the unlikely condition that the neutral line in a residential permanently wired home will not be loose or removed at the panel. The likelihood of a temporary panel on a jobsite having an incomplete neutral system is more likely and therefore jobsite portable GFCIs need to be able to handle reverse wiring and open neutral conditions.

SAFE CURRENT VALUES							
Milliamperes - 1 or less	Effect on Average Human						
	Causes no sensation - not felt, is at threshold of perception.						
1 to 8	Sensation of shock. Not painful. Individual can let go at will, as muscular control is not lost. (5mA is accepted as maximum harmless current intensity.)						
UNSAFE CURRENT VALUES							
Milliamperes - 8 to 15	Effect on Average Human						
	Painful shock. Individual can let go at will, as muscular control is not lost.						
16 to 20	Painful shock. Muscular control of adjacent muscles lost. Cannot let go.						
21 to 99	Painful. Severe muscular contractions. Breathing is difficult.						
100 to 200	Ventricular fibrillation. (A heart condition that may result) Disrupts or changes rhythm of the heart.						
200 & over	Severe burns. Severe muscular contractions - so severe that chest muscles clamp heart and stop it during duration of shock. (This prevents ventricular fibrillation.)						

How a Ground Fault Circuit Interrupter Works

Where and How to properly use a GFCI...

GFCIs only sense an imbalance on the load side of the circuit. If the imbalance or path to ground occurs BEFORE the GFCI, then the sensing circuit will not release the relay stopping the current. Because of this fact, you should always place the GFCI as close as possible to the voltage source. Ericson encourages the placement of any GFCI on a cordset to within 1 foot of the primary power plug. This way, there is little cord exposed to damage and not being sensed by the GFCI.



OSHA and the NEC call for the use of GFCIs in all 125 volt 15,20 and 30 amp circuits. Consult your local safety codes for additional GFCI use regulations.

What is the difference between AUTO and MANUAL GFCIs?

The GFCI terms "auto" and "manual" have been in the electrical industry for years. These simple terms refer to the operation of the GFCI when first plugged into a voltage source. These terms have nothing to do with the "tripping and subsequent resetting" of the GFCI. Separate the two main events for a GFCI: (1) Power up mode and (2) Trip and Reset Mode. Power up mode is the condition of the GFCI after being plugged into a correct voltage source.

AUTO - The "auto" GFCI will immediately energize the relay and allow protected voltage to be available at the "load" side of the GFCI. The GFCI has automatically powered up and is ready for use without the assistance of the human pressing any buttons. Think plug-n-play.

MANUAL - On the "manual" GFCI, the RESET button has a dual role in functionality. (1) Powering up the unit and (2) resetting after a fault. The "manual" GFCI operates slightly different in that it requires the human to press the "RESET" (which is operating as a power up button on this unit) so the GFCI can close the relay and operate as required.

RESET - After a "trip" situation, both styles of GFCI require the pressing of the reset button to re-start the GFCI. CAUTION: Only reset a GFCI after an investigation as to the fault cause has been identified and repaired. GFCIs cannot, nor are ever designed to reset themselves automatically.



Metal Gang Box Danger

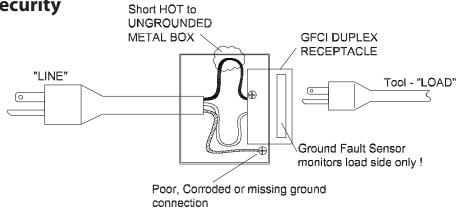
The "traditional" metal gang box on the end of a cord has been a danger for many years.

There are several reasons for the danger:

- Metal boxes are designed for permanently wired installations, not portable temp power.
- No weatherproofing except for outdoor location FS types.
- HOT box danger. (See below)
- Hand Hazard with sharp edges

The GFCI False Sense of Security

As the diagram shows, the metal gang box can have a common situation in which the earth ground is poor or not connected. There can be a hot short to the metal box in which you now have a "hot" box. The short will not trip the circuit breaker nor will the GFCI trip. The GFCI sensor only watches the "load" side of the receptacle, not the line side. The GFCI is worthless in this situation.





XG2 Series In-Line GFCI

Looking for the best GFCI in the industry? Look at the Ericson XG2 line of GFCIs for your job needs. Tough, fully sealed, NEMA 6P submersible GFCI body with all-weather pushbuttons makes this GFCI the right choice. Many options to order for your particular needs and environments. Customizable with many options to suit.

 Indoor/outdoor use: provides increased resistance to impact, heat, UV exposure, and is water tight

 New and improved TEST and RESET buttons are easier to operate and provide enhanced tactile feel and audible feedback

- Redesigned circuit conforms to the NEW UL 943 standard for safety governing GFCIs:
 - A more stringent voltage surge test ensures the GFCI can handle higher surge current
 - Corrosion test ensures greater immunity to damp, corrosive environments
 - Enhanced immunity to conducted radio frequency noise reduces nuisance trips.





High intensity neon

when power is on for

lamp glows bright

easy identification

of power status.

Compact & portable, this unit is easy to use, store & transport.

Automatic & manual power-up models are available.

Available with factory-wired & molded-on devices.

Engineered strain relief protects cord from excessive bending & pulling.

NEMATYPE 6P

polycarbonate enclosure is corrosion, impact, UV and water tight.

Test & Reset buttons clearly marked for easy identification & recessed to prevent accidental activation.

Oversized test & reset buttons are easier to operate and provide enhanced tactile feel & audible feedback.

> Model XG2-12-2BW shown

A wide variety of outlets are available; from molded-on single connector & Tri-Tap™ to Perma-Tite2® devices & Ericson outlet boxes.

Works on two-wire or three-wire circuits.

NEMA TYPE 4X & 6P Enclosure:

- Excels in demanding outdoor & in-plant environments
- Provides added protection against ground fault shock hazards in high-risk areas
 - Resists hose-directed water
- Available in 15A & 20A models.
- Up to 1.5 horse-power switch rating

Assembled

in the USA

NEMA TYPE 4X & 6P **GFCI Enclosure**

Custom configurations are available for your jobsite or OEM applications. Contact your nearest representative or the factory today!

XG2 Series Selection Guide

Cat. Number	POWER UP TYPE	LENGTH	PLUG	CONNECTOR	AMPS	WATTS			
With Molded-On Plug	With Molded-On Plug & Connector								
XG2-14-2S		2		MLD 5-15					
XG2-14-25S	AUTO	25	MLD 5-15	MLD 5-15	15	1875			
XG2-12-2TT	AUTO	2	IVILU 3-13	MLD 5-15 TRI	13	10/3			
XG2-12-50TT		50		MLD 5-15 TRI					
With Factory-Wired Pe		Connecto	r or Molded Plug	'					
XG2-12-2G	AUTO	2	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-2G-15	AUTO	2	MLD 5-15	5-15 1610-CG	15	1875			
XG2-12-2G-MR-15	MANUAL	2	MLD 5-15	5-15 1610-CG	15	1875			
XG2-12-2G-LKG	AUTO	2	5-20 2310-PG	5-20 2410-CG	20	2500			
XG2-12-2G-MR-LKG	MANUAL	2	5-20 2310-PG	5-20 2410-CG	20	2500			
XG2-12-2G-MR	MANUAL	2	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-10G	AUTO	10	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-10G-MR	MANUAL	10	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-25G	AUTO	25	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-25G-15	AUTO	25	MLD 5-15	5-15 1610-CG	15	1875			
XG2-12-25G-MR-15	MANUAL	25	MLD 5-15	5-15 1610-CG	15	1875			
XG2-12-25G-LKG	AUTO	25	5-20 2310-PG	5-20 2410-CG	20	2500			
XG2-12-25G-MR-LKG	MANUAL	25	5-20 2310-PG	5-20 2410-CG	20	2500			
XG2-12-25G-MR	MANUAL	25	5-20 1512-PG	5-20 1612-CG	20	2500			
XG2-12-50G	AUTO	50	5-20 1512-PG	5-20 1612-CG	20	2500			
With Factory-Wired Pe	erma-Tite® Plug & C	onnector							
XG2-12-2W	AUTO	2	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-2W-15	AUTO	2	5-15 1510-PW6P	5-15 1610-CW6P	15	1875			
XG2-12-2W-MR-15	MANUAL	2	5-15 1510-PW6P	5-15 1610-CW6P	15	1875			
XG2-12-2W-LKG	AUTO	2	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-2W-MR-LKG	MANUAL	2	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-2W-MR	MANUAL	2	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-10W	AUTO	10	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-10W-MR	MANUAL	10	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-10W-MR-15	MANUAL	10	5-15 1510-PW6P	5-15 1610-CW6P	15	1875			
XG2-12-10W-LKG	AUTO	10	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-10W-MR-LKG	MANUAL	10	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-25W	AUTO	25	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-25W-15	AUTO	25	5-15 1510-PW6P	5-15 1610-CW6P	15	1875			
XG2-12-25W-MR-15	MANUAL	25	5-15 1510-PW6P	5-15 1610-CW6P	15	1875			
XG2-12-25W-LKG	AUTO	25	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-25W-MR-LKG	MANUAL	25	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-25W-MR	MANUAL	25	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-50W	AUTO	50	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-50W-MR	MANUAL	50	5-20 1512-PW6P	5-20 1612-CW6P	20	2500			
XG2-12-50W-LKG	AUTO	50	L5-202310-PW6P	L5-20 2410-CW6P	20	2500			
XG2-12-50W-MR-LKG	MANUAL	50	L5-20 2310-PW6P	L5-20 2410-CW6P	20	2500			

Foot Note: 1. All cord is SJT. 2. All product is rated 120 volts.















XG2 Series Selection Guide

Cat. Number	POWER UP TYPE	LENGTH	PLUG	CONNECTOR	AMPS	WATTS
With Molded-On Plug & C				•		
With Factory-Wired 6000	Box, Two Duplex Rece	ptacles & Pe	rma-Grip™ Plug or Mo	lded Plug		
XG2-12-2B	AUTO	2	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-2B-15	AUTO	2	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-2B-MR-15	MANUAL	2	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-2B-MR	MANUAL	2	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-10B	AUTO	10	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-10B-MR	MANUAL	10	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-25B	AUTO	25	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-25B-15	AUTO	25	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-25B-MR-15	MANUAL	25	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-25B-MR	MANUAL	25	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B	AUTO	50	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B-MR	MANUAL	50	5-20 1512-PG	(2) 5-20 DUPLX	20	2500
XG2-12-50B-15	AUTO	50	MLD 5-15	(2) 5-15 DUPLX	15	1875
XG2-12-50B-MR-15	MANUAL	50	MLD 5-15	(2) 5-15 DUPLX	15	1875
With Factory-Wired 6100	Box, Two Duplex Rece	ptacles & Pe	rma-Tite® Plug	'		
XG2-12-2BW	AUTO	2	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-2BW-15	AUTO	2	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-2BW-MR-15	MANUAL	2	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-2BW-MR	MANUAL	2	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-10BW	AUTO	10	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-10BW-MR	MANUAL	10	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-25BW	AUTO	25	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-25BW-15	AUTO	25	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-25BW-MR-15	MANUAL	25	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-25BW-MR	MANUAL	25	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW	AUTO	50	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW-MR	MANUAL	50	5-20 1512-PW6P	(2) 5-20 DUPLX	20	2500
XG2-12-50BW-15	AUTO	50	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
XG2-12-50BW-MR-15	MANUAL	50	5-15 1510-PW6P	(2) 5-15 DUPLX	15	1875
Molded Plug with blunt e	end for equipment wiri	ng				
XG2R-12-2BS-15		2				
XG2R-12-10BS-15		10				
XG2R-12-25BS-15	AUTO	25	MLD5-15	BLUNT	15*	1875
XG2R-12-50BS-15		50			*Due to plug rating Plug can be removed. Unit rated for 20A max.	













Features

- UL & cUL recognized to UL943
- Quick and easy field installation into temporary panels and workboxes
- Compact & portable, this unit is easy to use, store and transport
- · Works on two or three wire circuits
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Molded polycarbonate enclosure is corrosion and impact resistant, and stands up to the toughest jobsite conditions
- Manual & automatic power-up models available
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status

Safety Note: Although receptacle GFCIs appear to provide full-protection, they do not protect against open-neutral hazards! When the line-side neutral is open (which is not an unusual occurrence in temporary wiring installations) receptacle GFCI contacts are mechanically closed and the "hot" wire is still conducting electricity through the load side, which means you risk serious injury. Ericson's panel mount GFCIs DO protect against open neutral hazards, which is why they - and ALL Ericson GFCIs - meet UL, NEC and OSHA requirements.

Selection Guide

Catalog Number	Type*	Description	Volts	Amps	Watts
1075-MR	Manual	Panel mount GFCI	120V	20A	2400
1075-AR	Auto	Panel mount GFCI	1200	20A	2400

^{*}Power up mode

Specifications:

Material

Enclosure: UV rated Polycarbonate

Electrical

- Power-up type: Manual or automatic
- Trip level: 4-6mA
- Trip time: less than 25ms (0.025 seconds)
- Leakage current in 93% relative humidity: Zero
- Operating voltage: 120VAC nominal rating (85% to 110% of rated voltage: 102V-132V)
- Low voltage let go: 40% rated voltage
- · Grounded neutral detection: 2 ohms or less
- Frequency: 60Hz
- Overload current: 120Amps, inductive 50% Power factor, 1 second
- Radio frequency noise susceptibility: Operates normally with 0.5 VRMS, 10-450Mhz, injected on power lines
- Voltage surge withstand: 6KV impulse, 0.5 microsecond rise time, 100Khz ringing frequency with 40% decay per cycle
- Dielectric voltage withstand:
 - 1500 VRMS between line & load (across contacts)
 - 2500 VRMS between current carrying conductors and ground conductor
 - 4000 VRMS between current carrying conductors and enclosure

Mechanical

- Color: Black Enclosure
- Power Status Indicator: Lighted NEON
- · Contact Size: 0.200" dia.
- Contact Latching: Electro-mechanical

Environmental

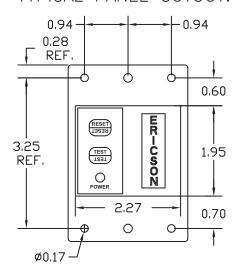
- Operating Temperature Range: -35 °C to +66 °C
- UL94 5V flammability

Listings

UL & cUL recognized



TYPICAL PANEL CUTOUT.







Features

- Polycarbonate, Impact resistant enclosure retains its properties under the most extreme environmental conditions
- Spring-loaded flip lids protect outlets from jobsite contaminants when not in use
- Unit comes standard with extra hard usage #12/3 SOOW cable
- Meets OSHA construction site requirements
- Fast response trip time; less than .025 seconds
- Test and Reset Buttons are clearly marked for easy identification and each is protected from accidental activation
- High intensity NEON indicator lamp glows bright when power is on for easy identification of power status (1060)

Tamper proof enclosure 1060 Series Spring loaded flip covers Class A With Open Neutral Protection

Selection Guide

Catalog	atalog Tune	Outlets	Primary Cord		Plug	Volts	Amps	Watts
Number	Type	Outlets	Length	Туре	Flug	Voits	Allips	Watts
1060	Auto	(4) NEMA 5-15 15A, 120Volt Straight Blade	6'	#12/3 SOOW	5-15	120	15	1800
1061	Auto	(4) NEMA L5-15 15A, 120Volt Locking	6'	#12/3 SOOW	L5-15	120	15	1800
1062	Auto	(4) NEMA 5-20 20A, 120Volt Straight Blade	6'	#12/3 SOOW	5-20	120	20	2400

Rugged 600V SOOW Cord

Note: 1. The 1060 Series is factory configured with Automatic Power-up.

2. Contact customer service if manual power-up is required.



Need a Custom Version?
Contact Us Today

INSERT IN YOUR ERICSON BINDER UNTIL OUR NEXT CATALOG IS ISSUED



GROUNDING ADAPTER

- unbreakable yellow vinyl grounding adapter converts any three wire cap for use with two wire receptacle.
- grounding lead with flanged spade terminal for No. 8 screw.



Catalog No. 18-A

YELLOW VINYL
U.L. Approved 15A-125V

DISTRIBUTOR NET COST

Packaged - 25 per Carton 19.00 per C
Standard Package - 250 Bulk Packed 18.50 per C

Wgt. 8 lbs. per C

Suggested Resale

\$.24 each



THE ERICSON MANUFACTURING COMPANY

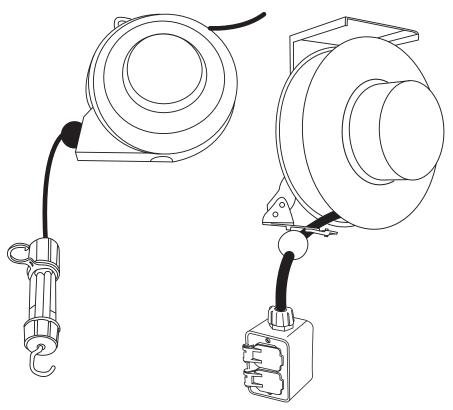
1660 HAYDEN AVENUE

CLEVELAND, OHIO 44112

Original 1950's Advertisement







24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)





3000 Series - Light Duty Reels

- Commercial duty black cord reel
- · High impact, corrosion resistant non-metallic housing
- Ideal for use in commercial/industrial workshops, auto garage & machine shops
- · Reel mounts to wall or ceiling
- Reel swivels 180° to cover wide range work area
- Compact size allows mounting in tight spaces- Only 6" wide x 11" diameter
- Available with NEMA 5-15 Tri-Tap[™] outlets or fluorescent handlamp



2900 Series - Light Duty Cord Reels

- Light duty bright yellow cord reel with steel housing
- Ideal for use in machine shops, automotive garages and commercial and light industrial workshops
- Reel mounts to wall or ceiling
- 2 ft. primary cord with molded-on NEMA 5-15 plug provides wide reach to plug in to nearest receptacle



4000 Series - Industrial

- UL Listed & CSA certified
- Ideal for Indoor and Outdoor Use NEMA 4 Rated
- Compact Size (12.75" H x 7.75"W 18 lbs. less cable)
- Heavy Formed Steel Stand (5/16" thick)
- Available in 3 and 4 Conductors (incl. dedicated ground)
- All-Steel Pawl and Ratchet with 4 Locking Positions
- Automatic Locking Ratchet With lockout Lever Option



5000 Series - Large Cable Cord Reels

- Ideal for Indoor and Outdoor use (wet or dry)
- Weatherproof NEMA 4X Slip Ring Enclosure
- Heavy All-Steel Construction
- Formed Steel Stand with Multiple Mounting Holes
- 35 Amp/600 Volt Slip Ring
- Available in Welding & Grounding Reel Version
- Supplied with Type SOW or SOOW Cable installed



6000/7000 Series - Extra Long Cord Reels

- Excellent performance in industrial indoor and outdoor applications (wet or dry)
- Built to NEMA 4 Standards/CSA certified
- Standard two-piece roller-guide design for maintainability, with a 345° mounting range
- Reels are sized to handle Type SOW, Type W or Type G cable
- Add an extra 7 feet of cable for hookup/safety wrap, as well as an extra 10% of total travel length for stretch applications



8000 Series - Hazardous Location Reels

Enclosures are designed to comply with requirements for Class I, Div 1 - Groups C & D and Class II, Groups F & G but are not certified by any regulatory body

- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction
- 30 Amp / 600 Volt advanced slip ring assembly











Five Basic Parts:

Base/Stand: Supports and mounts the reel **Spring Motor:** Motor which rotates the spool **Spool:** Composed of a Drum and two Flanges

Slip Ring: Transfers power from a stationary source to rotating source

Roller Guide: Guides the cable during payout and rewind

Definition of Terms:

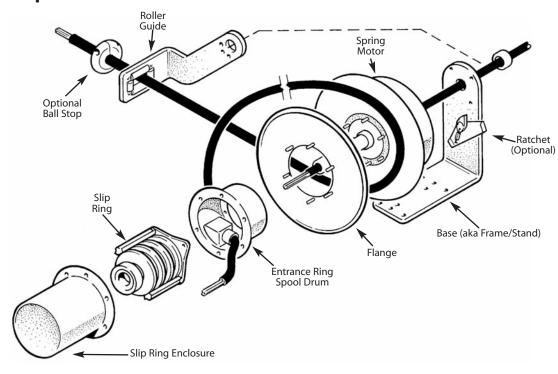
Active Length: The difference between the minimum and maximum payout of cable **Safety Wrap:** Cable that stays on the reel at maximum payout (Usually 2 complete wraps) **Sag Factor:** The effect of gravity on actual travel length during stretch applications (6% - 10%)

Lift Height: The distance between where the cable lays to the center line of spool

Payout: Pulling cable out of the reel

Retract or Rewind: Rewinding cable back into the reel

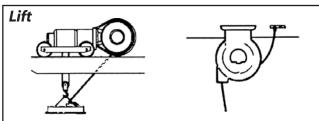
Components of a Cable Reel



Quick Index & Application Guide

_	• •							
	Typical Applications							
	Commercial Facilities	Light Industrial	General Industrial	Heavy-Duty Industrial	Hazardous Locations			
	Dry environments	Dry environments	Dry environments where	Dry or wet areas where rain,	Classified per NEC article			
	where no rain, spray or	where no rain, spray or	subject to frequent use	spray or other moisture is	500 & where rain, spray or			
	other moisture is present	other moisture is pres-	to supply light or power	present. Reel used to supply	other moisture is present.			
	such as workshops	ent such as schools	to portable or moving	light or power to portable or				
Reel Series	& auto garages.	and firehouses.	equipment.	moving equipment.				
3000 Commercial Duty	•							
2900 Light Duty	•							
4000 Industrial Duty	•	•	•					
5000 Industrial Duty	•	•	•	•				
6000 Heavy Duty Industrial	•	•	•	•				
7000 Heavy Duty Industrial	•	•	•	•				
8000 Hazardous Location					•			
SDR Grounding Reels	•	•	•	•				





The reel needs to "lift" the cable vertically. The reel is usually stationary. Cable is pulled out of the reel by machine or by hand (as with an overhead light source or a pendant station.)



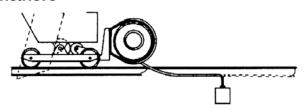
The reel needs to "drag" the cable through supports or along the ground horizontally. The reel is usually stationary. Cable can be pulled out by hand or by machine. Note: This application is the hardest on cable life.

Stretch



The cable is "stretched" horizontally and is unsupported. The reel may be stationary mounted or mounted onto moving equipment. Cable is pulled out by machine. An extra 6% -10% in cable beyond active travel is required for cable sag.

Retrieve



The reel needs to pickup ("retrieve") the cable. The reel is mounted on moving equipment. Cable is pulled out by machine.

Follow these three steps to make sure you get the best reel for your application needs. Your local representative or the sales team at our factory are glad to help if you need additional assistance.

Step 1: Mechanical Requirements:

- How will the reel be used? Stretch, Lift, Drag, or Retrieve? (See left for guidance)
- What type of environment will the reel be located in? (Indoors, outdoors, corrosive environment)
- What is the Duty Cycle? (How often will be reel payout and retract?)
- What is the maximum speed of equipment? (Maximum recommended speed is 150 feet per minute)

Step 2: Electrical Requirements:

- How much amperage is the cable expected to handle?
- At what voltage?
- What will the reel be required to handle: power, control, or communication signals?
- How many total conductors are required? (Please include one conductor for dedicated ground)
- What gauge (AWG) cable is required? The amperage and total number of conductors required will determine the gauge

Step 3: Cable Length Requirements:

- ADD: Active Length: The difference between the minimum operating payout
- PLUS: Inactive Length: Cable that always stays out of the reel, even at full retraction
- PLUS: Safety Wrap:* Cable that stays on the reel at maximum payout - See note below for details
- PLUS: Sag Factor (Stretch Only): Add 10% to Active and Inactive Length total
- Lift Height (Drag/Retrieve): The distance between where the cable lays up to the spool center line. Max 4'
- Hook up Length: Cable required for termination at both ends - 2-3' Spool End
- * NOTE: Series 4000 = 2'
 - Series 5000 = 2'
 - Series 6000 = 5'
 - Series 7000 = 5'
 - Series 8000 = 3'









- · Commercial duty black cord reel
- · High impact, corrosion resistant non-metallic housing
- Ideal for use in commercial/industrial workshops, automotive garage & machine shops
- Reel mounts to wall or ceiling
- Reel swivels 180° to cover wide range work area
- Compact size allows mounting in tight spaces-Only 6" wide x 11" diameter
- Ratchet lock holds cord at desired position
- Available with NEMA 5-15 Tri-Tap[™] outlets or fluorescent handlamp
- Installation kit comes complete with instruction sheet, mounting bracket and all the hardware needed for a complete installation
- Circuit breaker to prevent overload

3000 Series Cord Reel Selection Guide

	Angle Light	Tri-Tap Outlet
Non-metallic Housing with:		
With 50-ft. of cable	3163-50-AL	3163-50-TT
SPECIFICATIONS:		
Cord Size	#16/3	#16/3
Cord Type	SJTOW	SJTW
Circuit Breaker	8 Amps	8 Amps
Cord Outlets	N/A	(3) NEMA 5-15
Primary: Cord Length	2 ft.	2 ft.
Power Switch in Handlamp Handle	Yes	_
Side Outlet in Handlamp Handle	(1) NEMA 5-15	_
Bulb Wattage	13 watt	_
Bulb Included	Yes	_
Ballast Location	Handle	_

2900 Series - Light Duty Cord Reels Light duty bright yellow cord reel with steel housing Ideal for use in machine shops, automotive garages

and commercial and light industrial workshops

Reel mounts to wall or ceiling

 2 ft. primary cord with molded-on NEMA 5-15 plug provides wide reach to plug in to nearest receptacle

 Reel comes with incandescent or fluorescent handlamp

Ratchet lock holds cord at desired position



2900 Series Selection Guide

Cord GA., #Cond. & Type	Length		
#16/3 SJT	30′	2900	
#18/2 SJT	40′		2910
Specifications:			
Volts		120	120
Amps		10	7
Handlamp:			
Wattage		100 watt	13 watt
Switch		Yes	Yes
Side Outlet		Yes	





Standard Reel Offering	4000	5000	6000	7000	8000
Lift/Drag Application	Standard	Standard	Standard	Standard	Standard
Ball Stop included	Yes	Yes	Yes	Yes	Yes
Ratchet Installed	Yes	Yes	Yes	Yes	Yes
Primary Power Cord & Plug attached to Reel	Yes - Molded plug matches amp rating of cord/reel	No - must run conduit and hardwire	No - must run conduit and hardwire	No - must run conduit and hardwire	No - must run conduit a nd hardwire
SJ Cord Type	Standard	Not available	Not available	Not available	Not available
SO Cord Type	By part number designation only -SO	Standard	Standard	Standard	Standard - XP locations must have SO cable per NEC
Blunt Secondary	Standard	Standard	Standard	Standard	Standard
Add-ons installed - Lights - Power Boxes - Single Connectors	Per part number & cord size limitations	Per part number & cord size limitations	Per part number & cord size limitations	Per part number & cord size limitations	XP Type only - Per part number & cord size limitations
Stretch/Retrieve No Ball Stop No Ratchet installed	Not available	Custom RFQ Only	Custom RFQ Only	Custom RFQ Only	Custom RFQ Only
Cord Type - Standard	#16/3 SJOW to #12/4	#16/3 SOW to #10/6	#16/3 SOW #10/4	#16/4 SOW to #10/4	#16/3 SOW to #14/4
Electrical Rating (Amps @ 120V)	10A to 20A	5A to 25A	8A to 25A	12A to 25A	8A to 20A
Lengths Available	25 to 50 Ft	20 to 70 ft	70 to 150 ft	125 to 150 Ft	20 to 50 ft









- UL Listed & CSA certified
- Ideal for Indoor and Outdoor Use NEMA 4 Rated (wet or dry - less electrical options & molded plug which are NEMA 2)
- Safety-Yellow Powder-Coated Finish
- Compact Size (12.75" H x 7.75" W 18 lbs. less cable)
- Heavy Formed Steel Stand (5/16" thick)
- Available in 3 and 4 Conductors (incl. dedicated ground)
- All-Steel Pawl and Ratchet with 4 Locking Positions
- Automatic Locking Ratchet With lockout Lever Option
- Adjustable / Removable Steel Cable Guide (3/16" thick)

• Low-Friction, 4-roller cable guide

ADD ONE OF THESE **GREAT OPTIONS**

GREAT FOR SCHOOLS, **FIREHOUSES** & PULL DOWN **DISPLAY POWER**







4000 Series Cord Reel Selection Guide

12 Gauge = SJOOW 14 Gauge = SJOOW	Reel v	ı/ Cable Only	944-RS	744-RS	900	
16 Gauge = SOW Only	See Table	SOW Cable	Handlamp	Handlamp	Handlamp	
Reels with 3-Conductor Cable						
with 25-ft. of #16/3 AWG	4163-25	4163-2550	4163-25-HSS	4163-25-HS		
with 35-ft. of #16/3 AWG	4163-35	4163-3550	4163-35-HSS	4163-35-HS		
with 50-ft. of #16/3 AWG	4163-50	4163-50SO	4163-50-HSS	4163-50-HS		
with 30-ft. of #14/3 AWG	4143-30	4143-30SO	4143-30-HSS	4143-30-HS	4143-30-F	
with 40-ft. of #14/3 AWG	4143-40	4143-40SO	4143-40-HSS	4143-40-HS	4143-40-F	
with 50-ft. of #14/3 AWG	4143-50	See 5000 Series Reels	4143-50-HSS	4143-50-HS	4143-50-F	
with 25-ft. of #12/3 AWG	4123-25	See 5000 Series Reels	4123-25-HSS	4123-25-HS	4123-25-F	
with 50-ft. of #12/3 AWG	4123-50	4123-30-50	4123-50-HSS	4123-50-HS	4123-50-F	
Reels with 4-Conductor Cable						
with 35-ft. of #16/4 AWG	4164-35	4164-35SO				
with 50-ft. of #16/4 AWG	4164-50	4164-50SO				
with 35-ft. of #14/4 AWG	4144-35					
with 25-ft. of #12/4 AWG	4124-25	4124-2550				
with 35-ft. of #12/4 AWG	4124-35					
SPECIFICATIONS:						
Electrical Ratings	300V	600V				
Reels with AWG #16/3,#16/4	10A,8A	10A, 8A	125v/10A	125v/10A	125v/2A	
Reels with AWG #14/3, #14/4	15A,12A	15A,12A	125v/15A	125v/15A	125v/2A	
Reels with AWG #12/3, #12/4	20A,16A	20A, 16A	125v/20A	125v/20A	125v/2A	
Cord Type	SJOW	SOW	SJOW	SJOW	SJOW	
Power Switch in Handlamp Handle	_	_	Yes	Yes	Yes	
Side Outlet in Handlamp Handle	_	_	Yes	No	No	
Guard Material	_	_	Zinc Plated Steel	Zinc Plated Steel	Non-Metallic	
Handle Material	_	_	Vinyl Nitrile Rubber	Vinyl Nitrile Rubber	Vinyl Nitrile Rubb	
Bulb Wattage	_		,	1 1		
Bulb Included	_	_	100	Watt	13 Watt Fluoresc	



Orange = NEMA 2 Green = NEMA 4

- Adjustable Ball Stop Included
- 6' Feeder Cord (Note: Molded plug included on all 3 conductor cables, 4 conductor cable supplied without plug)
- Slip Ring: 30 Amps, 600 Volts
- Available with and without handlamps or receptacle box pre-installed















6000 Outlet Box (2) NEMA 5-15 Duplex Receptacles (Non-GFCI)	6000 Outlet Box (2) NEMA 5-20R Duplex Receptacles (Non-GFCI)	6029 Extra-Deep Outlet Box (1) NEMA 5-15 Duplex Recpt. & (1) NEMA 5-15 GFCI duplex Recpt.	NEMA 5-15C Connector Perma-Link®	NEMA 5-20C Connector Perma-Grip™
4163-25-B				
4163-35-B				
4163-30-B				
4143-30-B		4143-30-BG	4143-30-1610	
4143-40-B		4143-40-BG	4143-40-1610	
4143-50-B		4143-50-BG	4143-50-1610	
4123-25-B	4123-25-B20	4123-25-BG	4123-25-1610	4123-25-1612CG
4123-3050-B				
4123-50-B	4123-50-B20	4123-50-BG	4123-50-1610	4123-50-1612CG
125v/10A		125v/10A	125v/10A	
125v/15A		125v/15A	125v/15A	
125v/20A		125v/20A	125v/20A	
SJOW		SJOW	SJOW	
_		_	_	
_		_	_	
_		_	_	
_		_	_	
_		_	_	
-		_	_	





Made in the USA



- Ideal for indoor and outdoor use (wet or dry)
- Weatherproof NEMA 4 slip ring enclosure
- · Heavy all-steel construction
- Safety-yellow powder-coated finish
- Numbered terminal blocks for simplified hookup
- Formed steel stand with multiple mounting holes
- Guide arm (4-roller, adjustable to 12 positions for efficient cable storage)
- Ratchet positive lock including constant tension feature
- 35 Amp/600 volt slip ring
- Available in welding & grounding reel version
- Supplied with Type SOW or SOOW cable installed
- Primary feeder cord supplied with reel

ADD ONE OF THESE GREAT OPTIONS

Ratchet & ball stop

included

5000 Series Cord Reels Selection Guide

	Jour Jeries Cold Heels Sciential Calde									
SOW Cable	SOW Cable Gauge & Conductors - 600V									
	Amp Rating	20′	30′	40′	50′	60′				
16/3	10A	5163-20	5163-30	5163-40	5163-50	5163-60				
16/4	8A	5164-20	5164-30	5164-40	5164-50	5164-60				
16/6	8A	5166-20	5166-30	5166-40	5166-50					
16/8	7A	5168-20	5168-30	5168-40	5168-50					
16/10	5A	51610-20	51610-30	51610-40						
16/12	5A	51612-20	51612-30	51612-40						
14/3	15A	5143-20	5143-30	5143-40	5143-50	5143-60				
14/4	12A	5144-20	5144-30	5144-40	5144-50	5144-60				
14/6	12A	5146-20	5146-30	5146-40	5146-50					
14/8	10.5A	5148-20	5148-30							
14/10	7.5A	51410-20								
12/3	20A	5123-20	5123-30	5123-40	5123-50	5123-60				
12/4	16A	5124-20	5124-30	5124-40	5124-50					
12/6	16A	5126-20	5126-30							
12/8	14A	5128-20								
10/3	25A	5103-20	5103-30	5103-40	5103-50					
10/4	20A	5104-20	5104-30	5104-40	5104-50					
10/6	20A	5106-20	5106-30							









-1612-PWDX 20 Amp 5-20R T Slot 1612-PWDX (Not for #16 AWG)



-HSS Handlamp for any 3-wire cord (Not for #16 AWG)



-F 13 watt Fluorescent Handlamp





- Our 6000 Series and 7000 Series reels are your top-quality, low-cost alternative to other spring reels of this capacity.
 These reels offer heavy-duty performance at some of the most attractive prices in the market.
- Excellent performance in industrial indoor and outdoor applications (wet or dry)
- Built to NEMA 4 Standards/CSA certified
- Heavy all-steel construction
- Safety-yellow powder-coated finish
- Standard two-piece roller-guide design for maintainability, with a 345° mounting range
- Safety-sealed, lifetime lubricated spring motor canister
- Generously sized slip ring housing with fully articulating brushes for flawless contact in adverse conditions
- Variety of ring amp ratings from 35-150 Amps
- Reels are sized to handle Type SOW, Type W or Type G cable
- Add an extra 7 feet of cable for hookup/safety wrap, as well as an extra 10% of total travel length for stretch applications
- Primary power conductors supplied with reel

6000 & 7000 Series Cord Reels Selection Guide

DW Cable Gauge & Conductors										
	Amp Rating	70′	80′	90′	100′	125′	150′			
16/3	10	6163-70	6163-80	6163-90	6163-100	6163-125	6163-150			
16/4	8	6164-70	6164-80	6164-90	6164-100	6164-125	7164-150			
14/3	15	6143-70	6143-80	6143-90	6143-100	6143-125	7143-150			
14/4	12	6144-70	6144-80	6144-90	6144-100	7144-125	7144-150			
12/3	20	6123-70	6123-80	6123-90	6123-100	7123-125	7123-15			
12/4	16	6124-70	6124-80	6124-90	6124-100	7124-125				
10/3	25	6103-70	6103-80	6103-90	6103-100	7103-125				
10/4	20	6104-70	6104-80	6104-90	6104-100	7104-125				

For Reel Dimensions, refer to the end of this section.

Add-Ons - Add to Base Part Number (Call for Details)



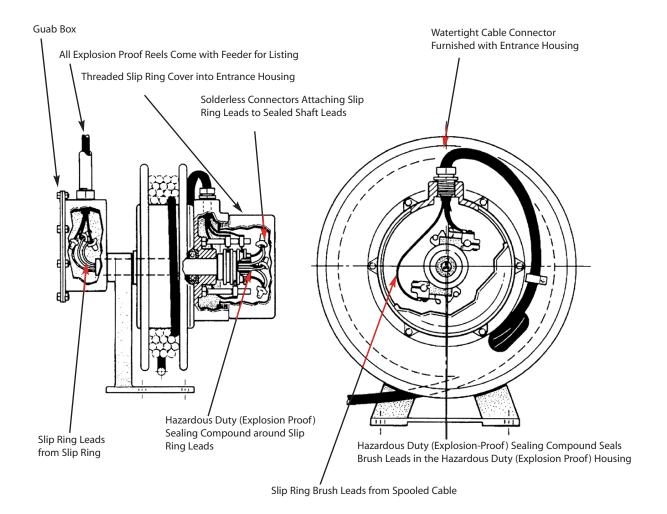








- Enclosures are designed to comply with requirements for Class I, Div 1 - Groups C & D and Class II, Groups F & G but are not certified by any regulatory body
- Built to NEC standards
- Indoor or outdoor use
- Rugged fabricated steel and cast aluminum construction
- 30 Amp / 600 Volt advanced slip ring assembly
- Threaded junction box and slip ring enclosure
- SOW-A cable on factory assembled models
- Spring activated ratchet
- 4-roller adjustable cable guide
- Maximum dimensions: 14 1/2" H x 14 1/2" W x 17" D
- Note: 5 additional feet of cable required for safety wrap and hookup





Reel & Handlamps Meet or Exceed Hazardous Location Requirements

- Class I, Div. I, Groups C & D
- Class II, Groups F & G

Add a Hazardous Handlamp for a Complete System



8000 Series Hazardous Duty Reel Selection Guide

SOW Cable Gauge &	Length of Cable	Reel with	Reel w/ Hazardou	ıs Duty Handlamp
Conductors	Cable	Cable Only	2600	2500
16/3	20′	8163-20	8163-20-XPI	8163-20-XPF
16/3	40′	8163-40	8163-40-XPI	8163-40-XPF
16/3	50′	8163-50	8163-50-XPI	8163-50-XPF
16/4	20′	8164-20		
16/4	40′	8164-40		
16/4	50′	8164-50		
14/3	20′	8143-20	8143-20-XPI	8143-20-XPF
14/3	40′	8143-40	8143-40-XPI	8143-40-XPF
14/3	50′	8143-50	8143-50-XPI	8143-50-XPF
14/4	20′	8144-20		
14/4	40′	8144-40		
14/4	50′	8144-50		





Areas used for fuel handling, mines and other places where airborne flammables may exist, require reliable static discharge systems...and Ericson has them. Ericson grounding reels are perfect for discharging dangerous static electricity build-up in hazardous environments.



Refueling Grounding

- Built to NEC Standards
- For indoor use only
- · Rugged all steel construction
- Compact Design
- Mounts in any position
- · Red epoxy coated finish
- Feet are unfinished for maximum electrical contact
- Resistance not exceeding 0.3 OHMS
- Includes aircraft type cable: 3/32" diameter standard steel
- Includes 100 Amp grounding clamp
- Includes automatic locking ratchet with lockout feature for constant tension

Selection Guide

Cable Length	Resistance (ohms)	Description	Catalog Number
50 ft.	0.3	Single Cable	SDR-50



Coated cable

- Ericson 5000 Series Reels are now available for grounding applications where longer cables are needed
- Ball stop included
- 4-roller guide adjustable cable guide
- Auto locking ratchet for constant tension
- 100 amp grounding clamp included
- · Resistance not exceeding 2 Ohms

Selection Guide

Cable Length	Description	Catalog Number
100 ft.	Single Cable with orange nylon jacket	SDR-100

Handles Static Charges Safely

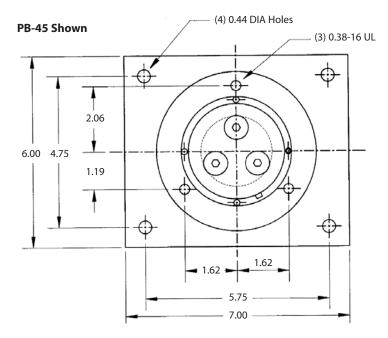


345° Pivot Base

- Use our pivot base to customize your reel mounting for your specific application
- · All steel base
- Lifetime bearing (never needs lubrication)
- Swing can be restricted to 90°, 180°, and 270°
- Anodized clear finish



PB-45



Selection Guide

Catalog Number	Reels
PB-45	4000-5000
PB-67	6000-7000

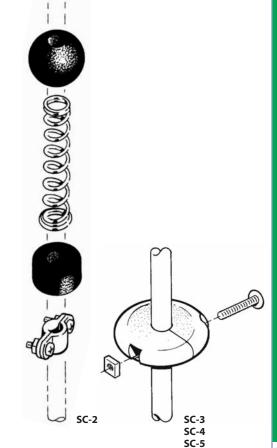
Ball Stops

- Also referred to as "cable stops", "bumper stops", or "hose stops"
- Generally used for manually operated lift and drag applications to govern retraction length. Stops are required when accessories such as handlamps and receptacle boxes are installed on cable reels
- Suitable for all Ericson Cable reels

Selection Guide

Catalog Number	Description
SC-1	For cable O.D. ranges 0.188" to 0.438"
SC-2	For cable O.D. ranges 0.188" to 0.438" with shock absorbing spring bumper
SC-3	For cable ranges 0.438" to 0.624"
SC-4	For cable ranges 0.625" to 0.749"
SC-5	.75" to 1.05"
SC-6	1.06" to 1.38
SC-7	1.39 to 1.55





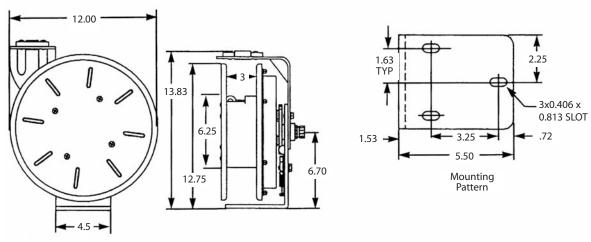


SC-6 SC-7

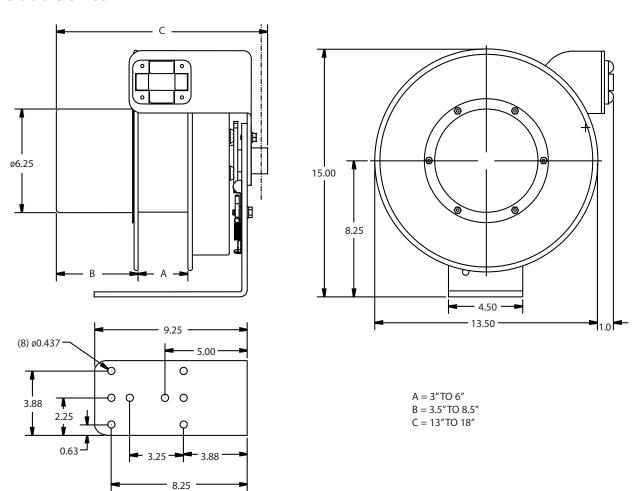




4000 Series



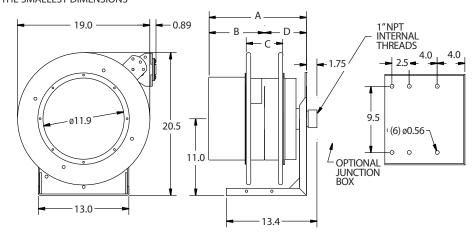
5000 Series





6000 Series

3 AND 4 CONDUCTOR REELS HAVE THE SMALLEST DIMENSIONS



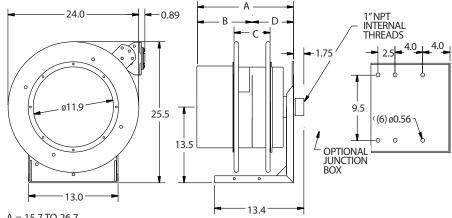
A = 15.7 TO 26.7 B = 8 TO 17.8C = 5.5 OR 7.9

D = 6 OR 7.3

JUNCTION BOX DEPTH = 2.25 TO 5.25

7000 Series

3 AND 4 CONDUCTOR REELS HAVE THE SMALLEST DIMENSIONS



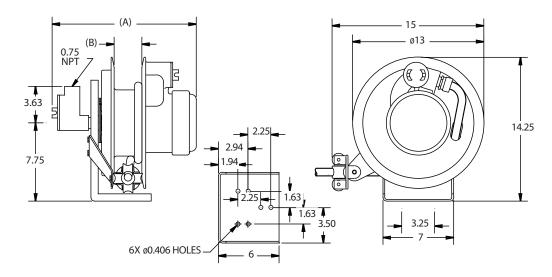
A = 15.7 TO 26.7 B = 8 TO 17.8

C = 5.5 OR 7.9

D = 6 OR 7.3

JUNCTION BOX DEPTH = 2.25 TO 5.25

8000 Series



DIM. A = 14.27 TO 16.95 DIM. B = 2.73 TO 4.92









Investigate Ericson's reasonable prices on many quality products

C & E (Ericson) Electrical Safety Products

SAFETY NEOPRENE HANDLES NEOPRENE SOCKETS

ATTACHMENT PLUGS AND CORD CONNECTORS (NEOPRENE)
PORTABLE HAND LAMPS (STANDARD AND VAPOR-PROOF TYPES)

LAMP GUARDS

COMPLETE EXTENSION AND TEST CORDS, ETC.

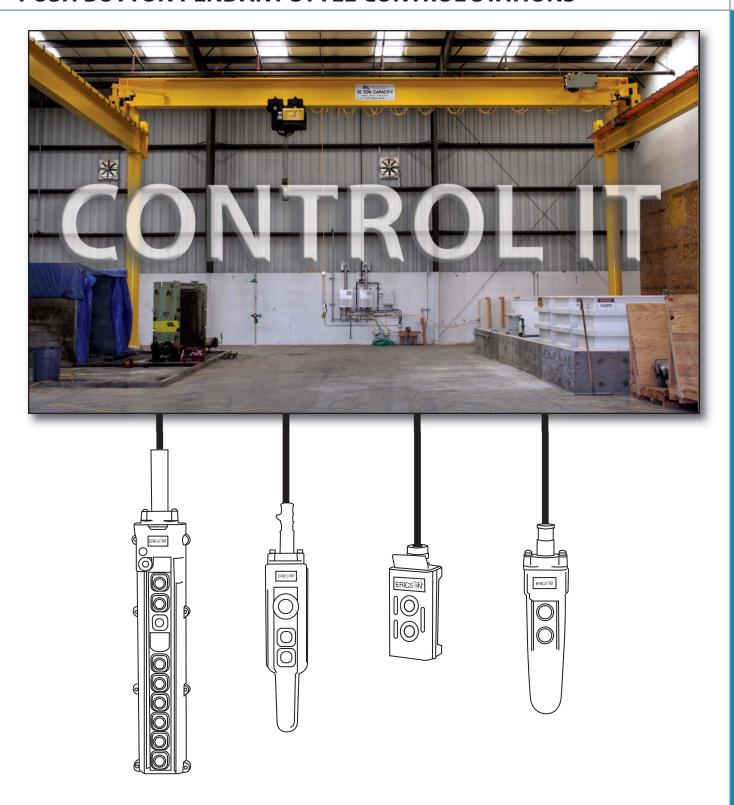
MULTIPLE OUTLET CORDS

CORD REELS

THE ERICSON MANUFACTURING COMPANY, Cleveland 12, Ohio

Original 1950's Advertisement

PUSH BUTTON PENDANT STYLE CONTROL STATIONS



24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)

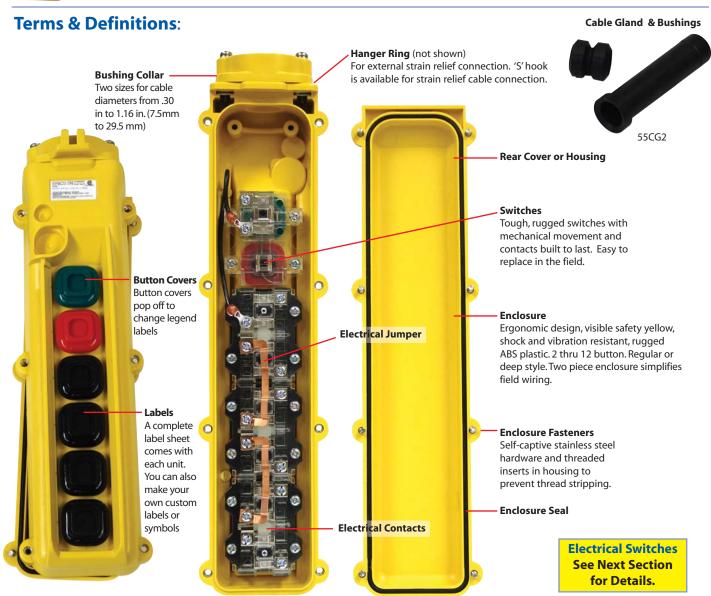




What is a Push Button Pendant Control Station? Pendant Stations or Pendant Controls are a series of simple switches that control much larger electrical loads through various means such as relays, Programmable Logic Controllers (PLCs) or other automation circuitry. These switches are housed in a special weather proof enclosure that attaches to and hangs from the electrical cable which the control signals flow back and forth. These simple switches are described in terms of motion and switching characteristics.

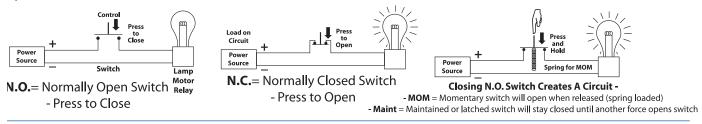
Ericson's Pendant Stations are typically used to control industrial cranes and hoists or the remote control of industrial machines. Pendant control stations are specifically designed for lifting and handling applications, they enable direct control of motors and can be used for direct motor switching.

- Cranes/Hoists
- Mixers/Grinders
- Automation Inputs
- Food Processing
- PLC Inputs
- Conveyors/Sorters
- Motor Control
- Pumps



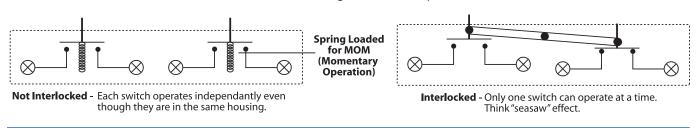
Basic Switch Operations:

The illustrations shown here demonstrate the difference between **Normally Open (N.O.)** and **Normally Closed (N.C.)** switch contacts. The term "normally" refers to the switch at rest or no physical influence. A closed contact set completes a circuit and an open contact set breaks the circuit. The last illustration shows the main difference between MOM (momentary) and MAINT (maintained). These terms describe the secondary action of the switch AFTER the human releases the button. A MOM switch will return to the original position when released, (think spring loaded), and a MAINT switch will remain changed when released until another action (2nd switch or actuator) releases it back to the original position (think latched).



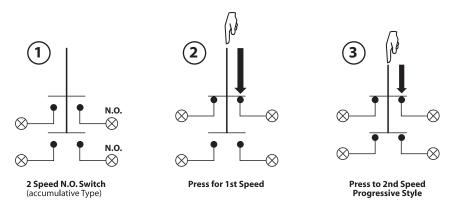
Interlocking Switches

Most switches are actually two buttons together in a single switch body. This illustration shows the definition of INTER-LOCKED (joined together) or NON-INTERLOCKED (independent operation). INTERLOCKED switches only allow one of the two switches to be used at a time. Like a playground seesaw, only one can be up or down. This prevents accidents and equipment damage. For example: a motor will not be allowed to turn CCW and CW at the same time or the overhead crane gantry can only move forward then reverse. These INTERLOCKED switches can be used in conjunction with other switches to close the cover on a food mixer before allowing the motor to spin the blades.



Speed Selection Switches

Some equipment can have more than one action or "speed". For example, a mixer can mix slow then faster during a process or a crane boom can move very slow and have a faster speed for rapid relocation. Speed switches are "add" type or progressive meaning the N.O. contacts add to each other as shown in this illustration. Pressing the button down to the first "click" closes the first set of N.O. contacts and then pressing further to the 2nd or 3rd click will then close the 2nd and 3rd set of N.O. contacts. 2 speed switches have 2 sets of N.O. contacts and 3 speed have 3 sets.



Ampacity Rating of Switches

It is good installation practice to know the amp rating of the equipment you are trying to control and ensure that the switch selected meets or exceeds that rating. This is normally why a pendant control station is used with low voltage (relay or PLC) systems (such as 12, 24 or 48 volt) when controlling large amp or higher voltage circuits.





5502/5500-PG Series Compact Pistol Grip Pendant Station

Applications Include simple ON & OFF operations, Normally "opposite" operations are used with this type. Any operation can be performed as wired correctly. UP, Down, Left, Right, Start, Stop, MIX, POUR are all examples of opposite operations.

- Two button and two button with E-Stop
- Nema 4 rated
- Not food grade or hose down rated
- Not rated for hazardous location or refueling use
- Internal seals on buttons
- Button covers pop off to change legend labels
- Lightweight and economy priced simple switching
- 1 year limited warranty



5500 Series Single, Dual & Variable Speed Pendant Stations

The 5500 Series uses sets of two buttons to build ever increasing sized stations. From 2 button to 12 button pendants, this series is the work horse of the 5500 Series. The design is more rugged than the 5500-PG series with rubber button boots and housing seals. NEMA 4X rated, these pendants can be used outdoors with confidence. With a wide variety of switches and controls that can be installed, this series is the best of rugged design and economically priced pendants.

- Rubber booted buttons keeps out rain, dirt and debris
- · Large choice of switches
- EZ to repair and replace switches
- Sealed housings with gasket and stainless steel fasteners
- Can be customized with indicators, lights and warning horn button
- Not rated for hazardous locations or refueling use
- Bright yellow enclosure ensures visible recognition
- Tough electrical contacts rated for thousands of operations
- Button cover legends are easy to change
- Each unit comes complete with:
- o Two cable glands for popular sized cables
- o Complete legend sheet with all popular operations
- o Electrical ring crimp terminals for wire connection to switches
 - 1 year limited warranty
 - UL listed



5700 Series Rubber Enclosure Pendant Stations

The Heavy Duty Sealed 5700 series Pendant Control stations feature steel reinforced rubber construction with tongue and groove rear cover to protect the contacts from many elements. The full rubberized construction adds to the rugged use and long life while sealing the inside terminations and contacts from the environment. Switches are individual (no interlocked dual switch sets) with a variety of single, dual and special contact speed sets. The metal hang plate attached to the cord grip (metal CGB style) is designed to hang the pendant from wire rope or coated cable. The legend labels for each button are placed in recessed areas next to each switch.

- NEMA 1, 3, 4 and 12
- Use for hose down areas
- Use for high splash areas
- · Can be used with some chemicals
- Rubberized sealed design
- Not for Hazardous locations
- UL listed and CSA approved
- 1 year limited warranty



5502 PG Series Compact Pistol Grip Pendant Station

Ericson's pistol grip pendant stations are ideal for controlling industrial cranes and hoists and for remote jog operation of industrial machines.

- Single speed 5A, 125V contact block
- Compact, lightweight, ergonomic design
- Weighs only 10 ounces
- Less than 2" wide
- Made of high impact ABS resin
- High visibility safety yellow color
- Internal button seals

- NEMA TYPE 4 waterproof rating
- Internal and external strain relief
- Variable diameter cable bushing with clamp accommodates a wide range of cable sizes
- Easy-to-push pressure switches
- 50 g shock resistance
- 5 A switch rating







5503 - Pistol Grip Style with E-Stop Features:

- Compact design, ergonomically designed with operators comfort in mind.
- Available with 1, 2, or 3, speed buttons
- High impact ABS resin, safety yellow, NEMA 4 enclosure
- Multi-diameter cable busing inlet
- Equipped with interior and exterior anchor for either internal or external strain relief wire

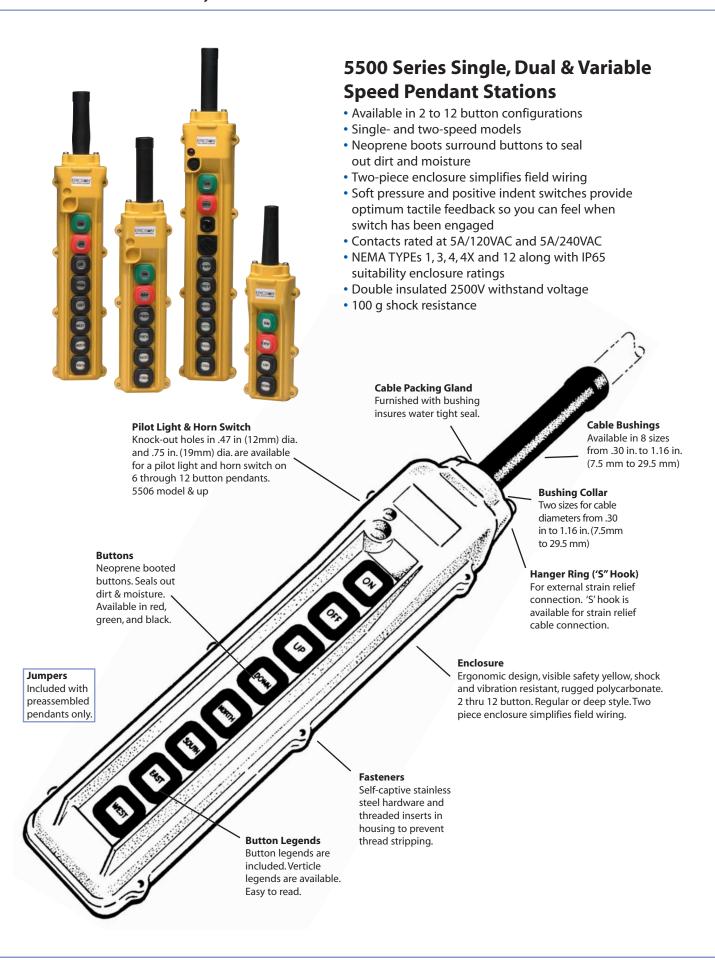
5503-PG

General Specifications

-15° C - +50°C
ABS Safety Yellow
10g From 10-55 Hz
50g
NEMA Type 4
AC15 2A & 110V-500,000 Operations
General Purpose, 120V, 5A
UL Pilot Duty B150
2500VAC/1 Min.
Less Than 100 Milli-OHM
10 oz.
Standard Up/Down. Others Available
2 Lbs.

Part #	1	2	3		
5502-PG	1 NO	1NO			
	mom	mom			
	Inte	rlocked			
5503-PG	1 NC	1 NO	1NO		
	maint mom		mom		
	e-stop button Interlocked				
Switch #	55S26	55S08			
5503-PG-2	1 NC	2 NO 2 SPD	2 NO		
	maint	mom	mom		
	e-stop button	Interlock	ed		
Switch #	55S26	55S15			
5503-PG-3	1 NC 1 NC + 3 NO 3 SPD		1 NC + 3NO		
	maint	mom	mom		
	e-stop button	Interlock	Interlocked		
Switch #	55S26 55S17				





5500 Series Complete Pendants

						POSITION	NS					
Part #	1	2	3	4	5	6	7	8	9	10	11	12
T GIT II	1 NO	1 NO		chows the	e common							
	mom	mom				•	•				0	
5502	Interlock		to-use 550	00 pendan	t stations.	The switc	thes	73			Enterest a	
-	55508		and their	actions (m	echanical	and electi	rical) are		THE .		S C	6
	2 NO 25PD	2 NO	shown wi	th each hi	ıttan nasit	ion Use t	his chart				6 N	P
	mom	mom			•							4 10
5502-2	Interlock		to select f	uli pendar	nts. Use th	e custom	pendant	O				
,	55S15		page for	building y	our own p	endant.			6	1		
	1 NO	1NO	1 NO	1NO				UP DOWN ON C	TOP			
	mom	mom	mom	mom				HIGH LOW OPEN CL				9
550 ^A	Interlock	ed	Interlo	ocked				MAISE LOWER FAST SL	OW	10		
-	55\$08		559	508				RIGHT LEFT NORTH SC	The state of the s		100	
	1 NO Start	Stop	1 NO+1NC					FWD REV EAST W		9		
	maint	mom	mom	mom				FWD REV 1	1			
5504-A	Interlock		Interlo						# 1	10		4
	55S01		559		-			Complete	•			
	1 NC	blank	1 NO+1NC	1 NO+1NC				with all ite	ems show	n l		
	maint		mom	mom				Dalaš.: 4	·:			
5504-E	e-stop button		Interlo	ockod				Bushing S	oizes			
	55S26		559					Pendant	: Bu	shing	Cab	ole
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO		Part #		Part#	Diam	
	maint	mom	mom	mom	mom	mom		5502 5502-2		5CG1 5CG1	0.30 - 0.30 -	
5506	Interlock		Interlo		Interle	-		5504		5CG2	0.30 -	
9-	55501	eu	559			508		5504-A	5.	5CG2	0.41 -	
	1 NO Start	Stop	1 NO+1NC		1 NO+1NC			5504-E		5CG2	0.41 -	
	maint	mom	mom	mom	mom	mom		5506 5506-A		5CG3 5CG3	0.52 - 0.52 -	
5506-A	Interlock		Interlo		Interle			5506-A		5CG3	0.52 -	
22	55501	cu	559		555			5508		5CG3	0.52 -	
	1 NC	blank	1 NO+1NC		1 NO+1NC			5508-A	5	5CG3	0.52 -	.065
	maint	Diarik	mom	mom	mom	mom		5508-E		5CG4	0.64 -	
5506-E			-		-			5510 5512		5CG4 5CG4	0.64 - 0.64 -	
9-	e-stop button 55S26		Interlo 555		Interlo			3312				
		Chair	1 NO	1NO	1 NO	1NO	1 NO	1NO			e refer to the ore bushing s	_
	1 NO Start	Stop								-	_	
5508	maint Interlock	mom	mom Interlo	mom	mom Interle	mom	mom	mom ocked				
9 -	55S01	eu	559		555			S08				
	1 NO Start	Stop			1 NO+1NC							
	maint	mom	mom	mom	mom	mom	mom	mom				
5508-A	Interlock		Interlo		Interlo			ocked				
555	55S01	eu	559		555			S09				
	1 NC	blank	1 NO+1NC		1 NO+1NC							
	maint	DIATIK		mom		mom	mom	mom				
5508-E			mom Interlo		mom Interle			ocked				
27	e-stop button 55S26		559		559			509				
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO	1 NO	1NO	1 NO	1NO		
	maint	mom	mom	mom	mom	mom	mom	mom	mom	mom		
5510	Interlock		Interlo		Interle			ocked	Interlo			
-	55\$01		559		559			S08	559			
	1 NO Start	Stop	1 NO	1NO	1 NO	1NO	1 NO	1NO	1 NO	1NO	1 NO	1 NO
	maint	mom	mom	mom	mom	mom	mom	mom	mom	mom	mom	mom
5512	Interlock		Interlo		Interle			ocked	Interlo		Interlo	
7 -										-		-





EMC Pn#	Buttons	Contact Config	Speed	Action	2 Button Interlock	
55S01	2	1 NO / OFF	1	MAINT	YES	O ON OFF
55502	2	1 NC + 1 NO / OFF	1	MAINT	YES	O INC+1NO ON OFF
55503	2	1 NO / 1 NC	1	МОМ	NO	O 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
55\$04	2	1 NO / 1 NO	1	МОМ	NO	20 10 10 10 10 10 10
55\$05	2	1 NC + 1 NO / 1 NC + 1 NO	1	МОМ	NO	2O 4 1O 3 1NC+1NO 5O 7 6O 8
55\$06	2	2 NO / 2 NO	1	МОМ	YES	60 04 2NO 50 03 2NO 150 013 2NO
55\$07	2	2 NC + 2 NO / 2 NC + 2 NO	1	МОМ	YES	15-18-13-12 10-10-10-10-10-10-10-10-10-10-10-10-10-1
55\$08	2	1 NO / 1 NO	1	МОМ	YES	20 1NO 1NO 20 4 0
55\$09	2	1 NC + 1 NO / 1 NC + 1 NO	1	МОМ	YES	2O 4 1NC+1NO 10 1NC+1NO 10 1NC+1NO 10 1NC+1NO
55\$10	1	1 NC	1	МОМ		6 8
55\$11	1	1 NO	1	МОМ		50 50
55\$12	1	1 NC + 1 NO	1	МОМ		60 0 7 50 8 1NC+1NO







EMC Pn#	Buttons	Contact Config	Speed	Action	2 Button Interlock	Electrical Contact Schematic
55S13	1	2 NC		МОМ		2NC
55\$14	1	2 NO	1	МОМ		40 06 2NO 30 05
55\$15	2	2 NO 2 SPD / 2NO	2	МОМ	YES	12 1 200 p 13 p 200 p 13 p 200 p 13 p
55\$16	2	2 NO + 2 NC 2 SPD / 2 NO + 2 NC	2	МОМ	YES	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
55\$17	2	1NC + 3 NO 3 SPD / 1NC + 3 NO	3	МОМ	YES	1988 . 9996; 1988 . 9996; 1988 . 9996;
55\$18	55S18 SELECTOR 1 NC 2 POS			MAINT SELECT		3 4 (2-POS) 1NC
55\$19	55S19 SELECTOR 1 NO 2 POS			MAINT SELECT		1O O2 (2-POS) 1NO
55\$20	55S20 SELECTOR 1 NO + 1 NC 2 POS			MAINT SELECT		1O O2 3 4 (2-POS) 1NO 1NC
55S21	55S21 SELECTOR 2 NO 2 POS			MAINT SELECT		10 O2 30 O4 (2-POS) 2NO
55\$22	55S22 SELECTOR 2 NC 3 POS CNTR OFF			MAINT SELECT		1 2 3 4 (3-POS) 2NC
55\$23	55S23 SELECTOR 2 NO 3 POS CNTR OFF			MAINT SELECT		1O O 2 3O O 4 (3-POS) 2NO
55\$24	55S24 SELECTOR 2 NC 2 POS			MAINT SELECT		1 2 3 4 (2-POS) 2NC







EMC Pn#	Buttons	Contact Config	Speed	Action	Electrical Contact Schematic
55\$25	SELECTOR	1 NO 1 NC 3 POS CNTR OFF		MAINT SELECT	10 02 3 4 (3-POS)
55\$26	e-STOP	1 NC		PUSH LOCK - Twist Release	3 1NC 4
55\$27	e-STOP	1 NO		PUSH LOCK - Twist Release	30 _{1NO} 04
55\$28	e-STOP	1 NO + 1 NC		PUSH LOCK - Twist Release	10 2 30 04 1NO 1NC
55\$29	e-STOP	2 NC		PUSH LOCK - Twist Release	1 2 3 4 2NC
55\$30	e-STOP	2 NO		PUSH LOCK - Twist Release	10 02 30 04
55S31	VAR POT RES	1K OHMS		VARIABLE TURN	20 C.W.
55\$32	VAR POT RES	2K OHMS		VARIABLE TURN	10 20 3
55S33	BLANK	BLANK PLATE			





Variable Pot Iometer



Blank Plate



55S33

5500 Electrical Jumpers

EMC CATALOG	
P/N	DESCRIPTION
55J1	80-1 Small jumper for use with 34294 & 34295 - connects 1 to 5
55J2	80-2 Speed switch common jumper - used to connect commons between 1, 2, 3 spd and on/off switches
55J3	80-3 2 Speed jumper - used on 2 spd switches to connect 6 to 4 and 14 to 16
55J 4	80-4 3 Speed jumper - used on 3 spd switches to connect term 18 of two adjacent
55J 5	80-12 2 Speed common jumper - used to connect 5 to 15 on 2 spd switches





EMC CATALOG P/N	BUTTON SPACING	Description	BUSHING COLLAR SIZE
55EN02	2	2 BUTTON ENCLOSURE	Α
55EN04	4	4 BUTTON ENCLOSURE	A
55EN06	6	6 BUTTON ENCLOSURE	A
55EN06D	6	6 BUTTON DEEP BACK ENCLOSURE	A
55EN06H	6	6 BUTTON LARGE HOLE ENCLOSURE	D
55EN06HD	6	6 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D
55EN08	8	8 BUTTON ENCLOSURE	Α
55EN08D	8	8 BUTTON DEEP BACK ENCLOSURE	Α
55EN08H	8	8 BUTTON LARGE HOLE ENCLOSURE	D
55EN08HD	8	8 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D
55EN10	10	10 BUTTON ENCLOSURE	A
55EN10D	10	10 BUTTON DEEP BACK ENCLOSURE	Α
55EN10H	10	10 BUTTON LARGE HOLE ENCLOSURE	D
55EN10HD	10	10 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D
55EN12	12	12 BUTTON ENCLOSURE	A
55EN12D	12	12 BUTTON DEEP BACK ENCLOSURE	A
55EN12H	12	12 BUTTON LARGE HOLE ENCLOSURE	D
55EN12HD	12	12 BUTTON LG HOLE & DEEP BACK ENCLOSURE	D



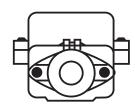
Notes on ordering enclosures for 5500 Series:

- 1. Deep Enclosures use these for multi-wire cords (ie 12 or more conductors) with size over 20AWG (16AWG is most typical).
- 2. Enclosures come complete with front and back covers, seal and capture screws.
- 3. Enclosures do not come with top strain relief assemblies order separately.
- 4. These enclosures are for replacement only.
- 5. Pendant repair should be performed only by an authorized repair electrician or technician.



Standard Back Cable 0.D. 7.5 -19.5mm .29 - .76 in

Α



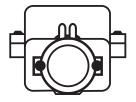
Deep Back Cable 0.D. 7.5 -19.5mm .29 - .76 in

Α



Standard Back Cable 0.D. 19.3 - 29.5mm .75 - 1.16 in

D



Deep Back Cable 0.D. 19.3-29.5mm .75 - 1.16 in

D

5500 Glands & Bushing Kits

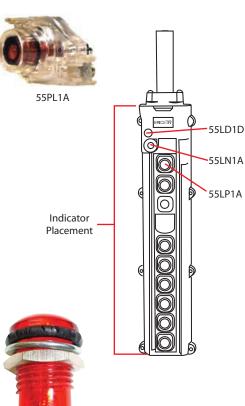
EMC CATALOG P/N	DESCRIPTION
55CG1	CABLE GLAND .3441*
55CG2	CABLE GLAND .4153*
55CG3	CABLE GLAND .5265*
55CG4	CABLE GLAND .6477*
55CG5	CABLE GLAND .7689**
55CG6	CABLE GLAND .88 - 1.0**
55CG7	CABLE GLAND 1.0 - 1.12**
55CG8	CABLE GLAND 1.11 - 1.16**

^{*}For use with type "A" enclosures

5500 Liahts

2300 Eigint3			
EMC CATALOG P/N	DESCRIPTION		
	For small location 1		
55LD1D	SM RED LED PILOT 12MM 12VDC		
	For larger location 2 - not button location		
55LN1A	SM RED NEON PILOT 19MM 110VAC		
55LN2A	SM RED NEON PILOT 19MM 220VAC		
55LN1D	SM RED NEON PILOT 19MM 12VDC		
55LN2D	SM RED NEON PILOT 19MM 24VDC		
	Button Location style*		
55PL1A	LG RED LED PILOT 110VAC		
55PL2A	LG RED LED PILOT 220VAC		
55PL1D	LG RED LED PILOT 12VDC		
55PL2D	LG RED LED PILOT 24VDC		
	* fits in 1 button space only		

55CG2





EMC CATALOG P/N	DESCRIPTION
LS1	55 Series Push Button Legend sheet
LS2	55 Series Selector Sw Legend Sheet*

^{*}Vertical sheet - not under button cover

Replacement Button Boots & Label Cover



5500 black boots 55BB



5500 red boots 55RB



5500 green boots 55GB



Clear Button Label Cover 55LC



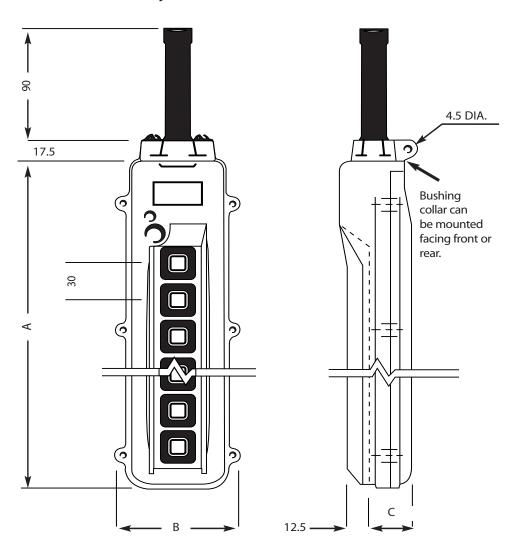
55LN1A





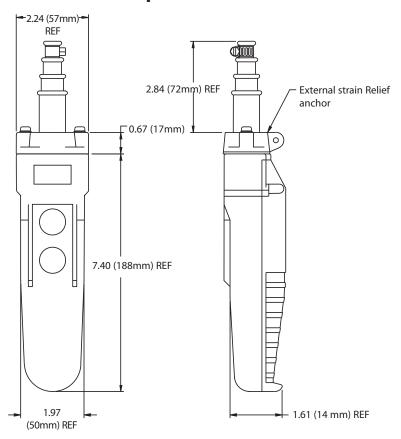
^{**}For use with type "D" enclosures

5500 General Duty

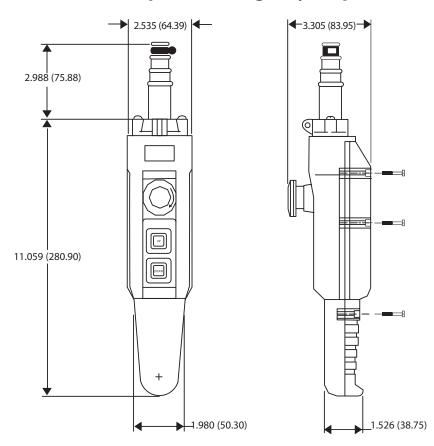


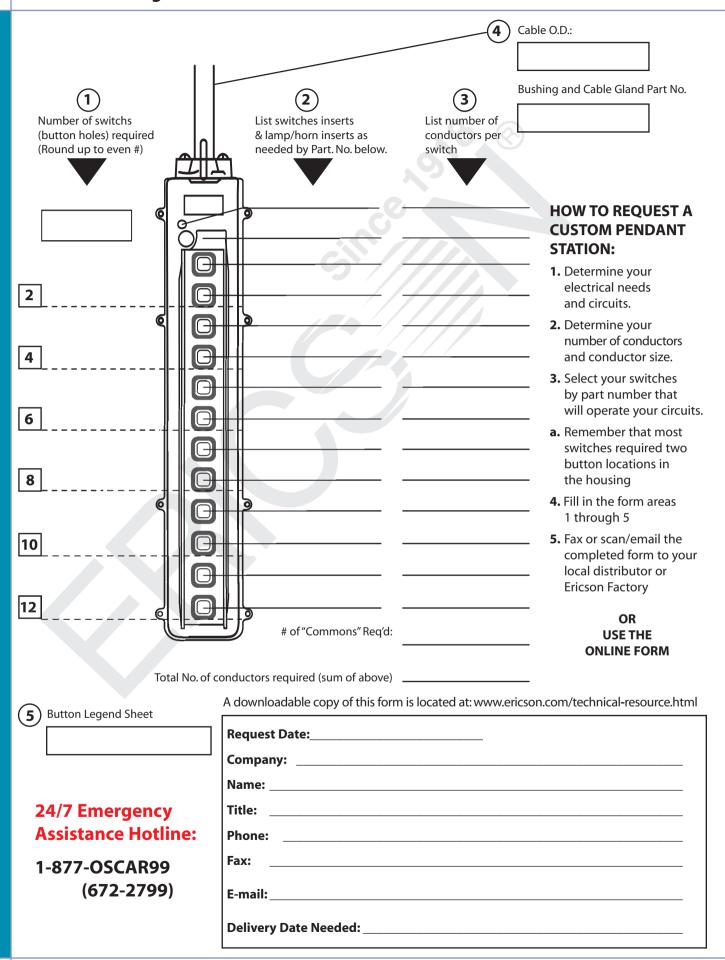
Number of Positions	A Dim.	B Dim.	C Dim.
2	4.49 in. (114 mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
4	7.09 in. (180 mm)	3.07 in. (78 mm)	1.46 in. (37 mm)
6	10.31 in. (262 mm)	3.07 in. (82 mm)	1.48 in. (37.5 mm)
8	12.68 in. (322 mm)	3.23 in. (82 mm)	1.48 in. (37.5 mm)
10	15.24 in. (387 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)
12	17.60 in. (447 mm)	3.43 in. (87 mm)	1.48 in. (37.5 mm)

5502 Pistol Grip



5503 Pistol Grip with Emergency Stop





Additional Custom Notes	

These Custom Form Pages May Also be Downloaded From:

www.ericson.com/technical-resource.html



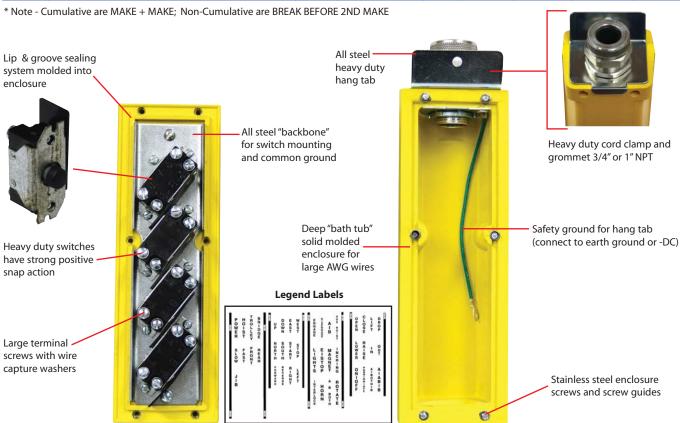


5700 Series Heavy Duty Rubber Enclosure Pendant Stations

- Available in 2 to 8 button configurations
- Single- and two-speed models
- Built-in strain relief bracket
- Rubber enclosure covers buttons to prevent outside contaminants from entering enclosure
- Standard legend plates and cord grip included with each pendant station
- Two-piece enclosure simplifies field wiring
- Soft pressure and positive indent switches provide optimum tactile feedback wo you can feel when switch has been engaged
- Contacts rated at 10A/125VAC
- NEMA Types 1, 3, 4 & 12

5700 Ready to Use Pendants

Item Number	DESCRIPTION	Buttons	Switch Contacts (each switch)	Switch Action	Speed	Replacement	Cable Dia	Cable Cord Clamp Size
5702	Pendant, 1 SPD, 2 Button, 2X5700	2	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5702-2A	Pendant, 2 SPD, 2 Button, 2X5700-2A, CUML	2	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5704	Pendant, 1 SPD, 4 Button, 4X5700	4	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5704-2A	Pendant, 2 SPD, 4 Button, 4X5700-2A, CUML	4	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5706	Pendant, 1 SPD, 6 Button, 6X5700	6	2 NO 2 NC	MOM	1	5700	.437740 in.	3/4 NPT
5706-2A	Pendant, 2 SPD, 6 Button, 6X5700-2A, CUML	6	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.437740 in.	3/4 NPT
5708	Pendant, 1 SPD, 8 Button, 8X5700	8	2 NO 2 NC	MOM	1	5700	.640875 in.	1" NPT
5708-2A	Pendant, 2 SPD, 8 Button, 8X5700-2A, CUML	8	1NC + 2 NO CUML	MOM	2 Spd Cuml	5700-2A	.640875 in.	1" NPT
Replacen	nent Switches							
5700	Switch, Replacement, 5700 Series, 2 NO 2 NC MOM	1	2 NO 2 NC	MOM	1			
5700-1	Switch, Replacement, 5700 Series, 1 NO MAINT ON/OFF	1	1 NO	MAINT	1			
5700-1A	Switch, Replacement, 5700 Series, 1 NO MOM	1	1 NO	MOM	1			
5700-2	Switch, Replacement, 5700 Series, 2 SPD Non-Cumulative*	1	1NC + 2 NO CUML	MOM	2			
5700-2A	Switch, Replacement, 5700 Series, 2 SPD Cumulative*	1	1NC + 2 NO CUML	MOM	2			



Schematic & Operation Diagrams

WARNING

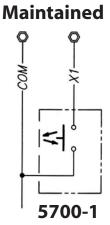
MAKE CERTAIN POWER SUPPLY IS DISCONNECTED BEFORE INSTALLING, REPAIRING, OR WORKING IN THE PROXIMITY OF ANY ELECTRICAL SYSTEM. ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD INSTALL OR REPAIR THESE PRODUCTS.

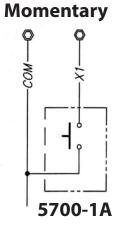
NOT DESIGNED FOR DC CIRCUITS

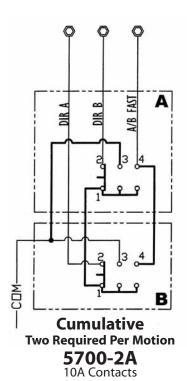


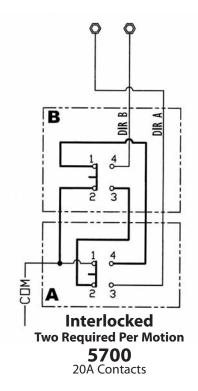
Start/Stop Inserts

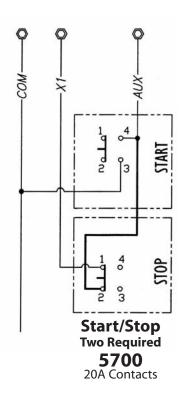








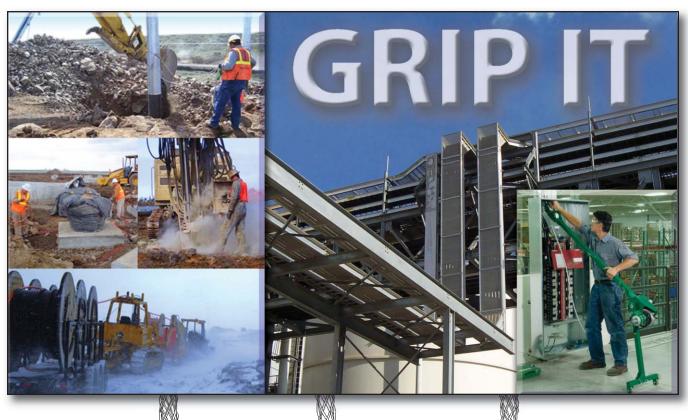


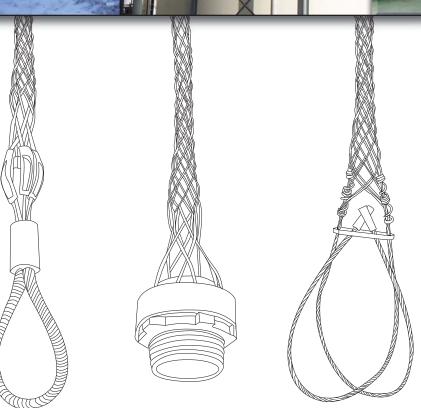












24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)







Introduction To E-Grips

E-Grips (wire mesh grips) are braided wire tubes that aid in the installation and support of electrical cables as well as non-electrical tubing and hose. E-Grips are used to eliminate direct tension on terminations. Gripping action increases in porportion to the tension applied.

E-Grips are used for pulling overhead or underground cable, stringing service or communications lines, pulling wire through conduit and for general underground construction use. E-grips are reusable and prevent wire damage by creating a uniform tension during wire pulling. E-grips are easy to install as well as remove and do not require any tools.

- Industrial Plants
- Construction Sites
- Maintenance & Repair Operations
- Automation
- Lighting

- Utilities
- Transportation
- OEM
- Maintenance Repair Operations
- Renewable Energy

Support Grips:

To hold and support cables, metal rods and tubing in verticle, sloped or horizontal position to prevent cable pull-out by supporting the weight of the cable.

Pulling Grips:

Reusable pulling tool for heavy to light cable.

Strain Relief & Deluxe Strain Relief Grips:

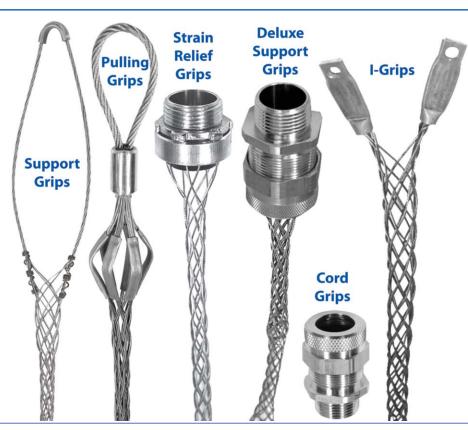
Prevents cable pull out and prevents tension from being transmitted to joints reducing stress and strain on conductors at the point of wire termination caused by pulling or bending the cable.

Cord Grips:

For use where cable is exposed to moisture or submersion. Eliminated fatique points.indoor/outdoor use, prevents cord pull-out.

I-Grips:

Grips are easy to attach, will control cable-arc-of bend, and provide heavy duty strain relief for plugs and connectors used on portable equipment where abnormal high strain abuse occurs.





Solid eye assemblies provide superior reinforcement designed to hold the weight for electrical cables as it hangs in vertical, sloping, or horizontal positions.

EYE STYLE:

Four different eye styles are available per your method of utilizing the support grip. Single, Double (shown), Offset, and Universal Bale.

Flag label shows catalog number, full description containing diameter range, barcode, mfg date, and MADE IN USA!

SG-CM-175-DE E-GRIP, SUPPORT GRIP,

Ericson E-Grip Support Grips are designed to hold the weight of cable in a vertical, horizontal, or sloping position. Support grips serve an important function as electrical cables must be supported or their dead weight can cause excessive strain or pullout at the connections resulting in a power failure. Ericson E-Grips are used within any application that requires the mechanical support of cable, metal rods, hose, and tubing. Specific applications include buildings, utility poles, excavations, mine shafts, towers, elevators, terminators, or other structures.

MESH STYLE:

Three different mesh styles of nonmagnetic tinned bronze are available for anything from light to heavy duty supporting requirements. Closed Mesh are for fitting over a cable end when exposed and a Split Mesh (Lace or Rod) is utilized when the cable end is not exposed.

An endless mesh weave provides installation ease onto the cable, allows for adjustments, and provides a reusable support grip without the need for special skills or tools. Conforms to shape of cable or object being supported and permits cable to expand and contract without loss of holding action.

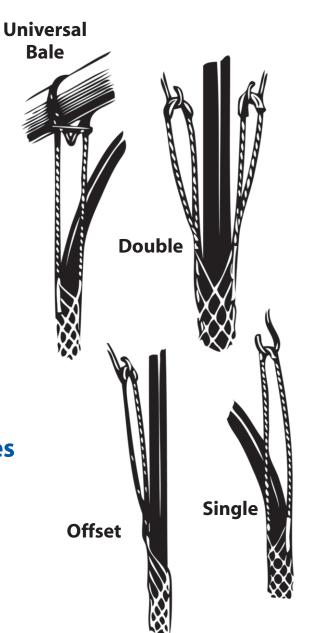






How to Select the Correct Support Grip

- **Step 1** Refer to the chart below to determine the Support Grip style that is best suited for your application.
- **Step 2** Where available, select an Eye style that is best suited for your supporting application.
- **Step 3** Determine your cable outside diameter. Refer to Technical Reference section.
- **Step 4** Find the mesh grip size that encompasses your cable diameter.
- **Step 5** Select a Mesh style from chart below. Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh such as Lace or Rod Closing.
- Step 6 IMPORTANT! Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. For Support Grips, use a Safety Factor of 10. Refer to Technical Reference section for safety and working load considerations.

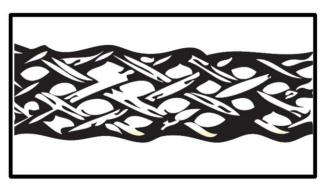


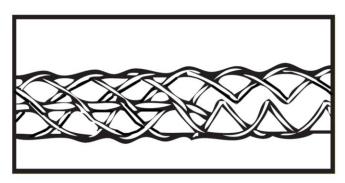
Eye Styles

	Support Grip Styles					
Standard Support Grips	Support Vertical Runs to 99 ft. Loads to 600lbs. Electrical cables must be supported or their dead weight can cause excessive strain or pullout at the connections resulting in a power failure. (Diameter Range = .5 to 3.99" and Breaking Strength Range = 500 to 4900 lbs.)					
Heavy Duty Grips	Support Vertical Runs over 100 ft. Loads Over 600lbs. Electrical cables must be supported or their dead weight can cause excessive strain or pullout at the connections resulting in a power failure. (Diameter Range = .75 to 4.49" and Breaking Strength Range = 2820 to 12070 lbs.)					
Service Drop	Light Duty to Support Service Entrance Cable in sloping, vertical, or horizontal positions. (Diameter Range = .23 to 1.25" and Breaking Strength Range = 290 to 1790 lbs.)					
Bus Drop	Light Duty Support, Indoors Only, On Bus Drop Cable that relieves tension and absorbs vibration which protects the cable. Safety Springs can be used in conjunction to relieve sudden strain on cord or cable overhead systems. (Diameter Range = .22 to 1.25" and Breaking Strength Range = 350 to 1800 lbs.)					
Conduit Riser	Support Cable Runs in Rigid (Sched. 40) Conduit. (Diameter Range = .50 to 3.99" and Breaking Strength Range = 290 to 5380 lbs.)					



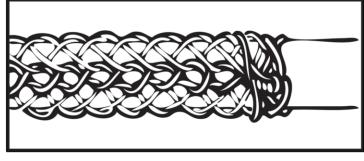
	Eye Styles						
Single	For use when cable is vertical and for applications where cable bends or for where a single attachment is more advantageous for positioning.						
Double	For use when cable is vertical and extends through the grip without bending. Eyes may be fastened to open hooks, but should not be more than 15 degrees from the axis of the vertical cable. When the eyes are supported equally, this attachment provides a fully balanced load.						
Offset	Similar to single eye applications, but for use when offset positioning is required.						
Universal Bale	Adjustable and self-locking, this attachment fits around a beam, pipe, or other continuous structural object. The bale wraps around the object and is securely anchored in the bar.						





Closed

Split Rod



Mesh Styles

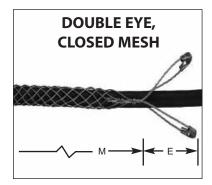
Split Lace

Mesh Styles					
Closed	Permanent support when cable end is available for support grip installation.				
Split Lace Closing	Permanent support when cable end is not available for support grip installation.				
Split Rod Closing	Temporary support when cable end is not available for support grip installation				

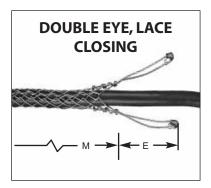




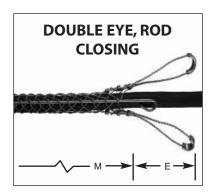




CATALOG NUMBER		APPROX.	LENGTH	
		BREAKING STRENGTH	E	М
SG-CM-050-DE	.5062	530 LBS.	4	10
SG-CM-062-DE	.6374	790 LBS.	4	10
SG-CM-075-DE	.7599	1020 LBS.	4	13
SG-CM-100-DE	1.00-1.24	1610 LBS.	5	14
SG-CM-125-DE	1.25-1.49	1610 LBS.	5	15
SG-CM-150-DE	1.50-1.74	1610 LBS.	5	17
SG-CM-175-DE	1.75-1.99	2150 LBS.	6	19
SG-CM-200-DE	2.00-2.49	3260 LBS.	6	21
SG-CM-250-DE	2.50-2.99	3260 LBS.	6	23
SG-CM-300-DE	3.00-3.49	4900 LBS.	8	25
SG-CM-350-DE	3.50-3.99	4900 LBS.	8	27



CATALOG		APPROX.	LENGTH	
NUMBER	DIA. RA.	BREAKING STRENGTH	E	М
SG-LC-050-DE	.5062	530 LBS.	4	10
SG-LC-062-DE	.6374	790 LBS.	4	10
SG-LC-075-DE	.7599	1020 LBS.	4	13
SG-LC-100-DE	1.00-1.24	1610 LBS.	5	14
SG-LC-125-DE	1.25-1.49	1610 LBS.	5	15
SG-LC-150-DE	1.50-1.74	1610 LBS.	5	17
SG-LC-175-DE	1.75-1.99	2150 LBS.	6	19
SG-LC-200-DE	2.00-2.49	3260 LBS.	6	21
SG-LC-250-DE	2.50-2.99	3260 LBS.	6	23
SG-LC-300-DE	3.00-3.49	4900 LBS.	8	25
SG-LC-350-DE	3.50-3.99	4900 LBS.	8	27



CATALOG NUMBER		APPROX.	LENGTH		
	DIA.RA.	BREAKING STRENGTH	E	М	
SG-RC-050-DE	.5062	530LBS.	4	10	
SG-RC-062-DE	.6374	790LBS.	4	10	
SG-RC-075-DE	.7599	1020LBS.	4	13	
SG-RC-100-DE	1.00-1.24	1610LBS.	5	14	
SG-RC-125-DE	1.25-1.49	1610LBS.	5	15	
SG-RC-150-DE	1.50-1.74	1610LBS.	5	17	
SG-RC-175-DE	1.75-1.99	2150LBS.	6	19	
SG-RC-200-DE	2.00-2.49	3260LBS.	6	21	
SG-RC-250-DE	2.50-2.99	3260LBS.	6	23	
SG-RC-300-DE	3.00-3.49	4900LBS.	8	25	
SG-RC-350-DE	3.50-3.99	4900LBS.	8	27	

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Support Grip Number Structure

Product Type

SG = Support Grips

SGHD = Support Grips Heavy Duty (Double Weave) Mesh

CM = Closed MeshLC = Lace ClosingRC = Rod Closing

Mesh Diameter

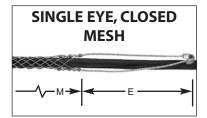
Lower Diameter Range of Mesh Eye Style

DE = Double Eye **SE** = Single Eye

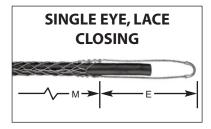
OFS = Offset Eye **UB** = Universal Bale



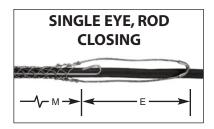
Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.



CATALOG	DIA. RA.	APPROX.	LENGTH	
NUMBER		BREAKING STRENGTH	E	M
SG-CM-050-SE	.5062	530LBS.	7	10
SG-CM-062-SE	.6374	790LBS.	8	10
SG-CM-075-SE	.7599	1020LBS.	8	13
SG-CM-100-SE	1.00-1.24	1610LBS.	9	14
SG-CM-125-SE	1.25-1.49	1610LBS.	10	15
SG-CM-150-SE	1.50-1.74	1610LBS.	12	17
SG-CM-175-SE	1.75-1.99	2150LBS.	14	19
SG-CM-200-SE	2.00-2.49	3260LBS.	16	21
SG-CM-250-SE	2.50-2.99	3260LBS.	18	23
SG-CM-300-SE	3.00-3.49	4900LBS.	21	25
SG-CM-350-SE	3.50-3.99	4900LBS.	24	27



CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SG-LC-050-SE	.5062	530LBS.	7	10
SG-LC-062-SE	.6374	790LBS.	8	10
SG-LC-075-SE	.7599	1020LBS.	8	13
SG-LC-100-SE	1.00-1.24	1610LBS.	9	14
SG-LC-125-SE	1.25-1.49	1610LBS.	10	15
SG-LC-150-SE	1.50-1.74	1610LBS.	12	17
SG-LC-175-SE	1.75-1.99	2150LBS.	14	19
SG-LC-200-SE	2.00-2.49	3260LBS.	16	21
SG-LC-250-SE	2.50-2.99	3260LBS.	18	23
SG-LC-300-SE	3.00-3.49	4900LBS.	21	25
SG-LC-350-SE	3.50-3.99	4900 LBS.	24	27



CATALOG NUMBER		APPROX.	LENGTH		
	DIA. RA.	BREAKING STRENGTH	E	М	
SG-RC-050-SE	.5062	530LBS.	7	10	
SG-RC-062-SE	.6374	790LBS.	8	10	
SG-RC-075-SE	.7599	1020LBS.	8	13	
SG-RC-100-SE	1.00-1.24	1610LBS.	9	14	
SG-RC-125-SE	1.25-1.49	1610LBS.	10	15	
SG-RC-150-SE	1.50-1.74	1610LBS.	12	17	
SG-RC-175-SE	1.75-1.99	2150LBS.	14	19	
SG-RC-200-SE	2.00-2.49	3260LBS.	16	21	
SG-RC-250-SE	2.50-2.99	3260LBS.	18	23	
SG-RC-300-SE	3.00-3.49	4900LBS.	21	25	
SG-RC-350-SE	3.50-3.99	4900LBS.	24	27	

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Support Grip Number Structure

Product Type

Mesh

Mesh Diameter

Eye Style

SG = Support Grips

CM = Closed **Mesh LC** = Lace Closing Lower Diameter

DE = Double Eye

SGHD = Support Grips

RC = Rod Closing

Range of Mesh

SE = Single Eye

Heavy Duty (Double Weave)

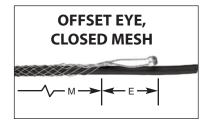
OFS = Offset Eye **UB** = Universal Bale

Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.

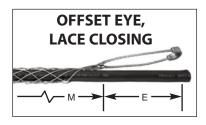




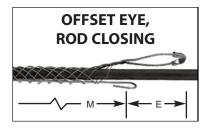




CATALOG NUMBER	APPROX.		LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SG-CM-050-OFS	.5062	500LBS.	4	10
SG-CM-062-OFS	.6374	750LBS.	4	10
SG-CM-075-OFS	.7599	950LBS.	4	13
SG-CM-100-OFS	1.00-1.24	1500LBS.	5	14
SG-CM-125-OFS	1.25-1.49	1500LBS.	5	15
SG-CM-150-OFS	1.50-1.74	1500LBS.	5	17
SG-CM-175-OFS	1.75-1.99	2000LBS.	6	19
SG-CM-200-OFS	2.00-2.49	3100LBS.	6	21
SG-CM-250-OFS	2.50-2.99	3100LBS.	6	23
SG-CM-300-OFS	3.00-3.49	3800LBS.	9	25
SG-CM-350-OFS	3.50-3.99	3800LBS.	9	27



CATALOG		APPROX.	LEN	LENGTH	
NUMBER	DIA. RA.	BREAKING STRENGTH	E	М	
SG-LC-050-OFS	.5062	500LBS.	4	10	
SG-LC-062-OFS	.6374	750LBS.	4	10	
SG-LC-075-OFS	.7599	950LBS.	4	13	
SG-LC-100-OFS	1.00-1.24	1500LBS.	5	14	
SG-LC-125-OFS	1.25-1.49	1500LBS.	5	15	
SG-LC-150-OFS	1.50-1.74	1500LBS.	5	17	
SG-LC-175-OFS	1.75-1.99	2000LBS.	6	19	
SG-LC-200-OFS	2.00-2.49	3100LBS.	6	21	
SG-LC-250-OFS	2.50-2.99	3100LBS.	6	23	
SG-LC-300-OFS	3.00-3.49	3800LBS.	9	25	
SG-LC-350-OFS	3.50-3.99	3800LBS.	9	27	



CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SG-RC-050-OFS	.5062	500LBS.	4	10
SG-RC-062-OFS	.6374	750LBS.	4	10
SG-RC-075-OFS	.7599	950LBS.	4	13
SG-RC-100-OFS	1.00-1.24	1500LBS.	5	14
SG-RC-125-OFS	1.25-1.49	1500LBS.	5	15
SG-RC-150-OFS	1.50-1.74	1500LBS.	5	17
SG-RC-175-OFS	1.75-1.99	2000LBS.	6	19
SG-RC-200-OFS	2.00-2.49	3100LBS.	6	21
SG-RC-250-OFS	2.50-2.99	3100LBS.	6	23
SG-RC-300-OFS	3.00-3.49	3800LBS.	9	25
SG-RC-350-OFS	3.50-3.99	3800LBS.	9	27

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Support Grip Number Structure

Product Type SG = Support Grips

SGHD = Support Grips **Heavy Duty** (Double Weave) Mesh

CM = Closed Mesh **LC** = Lace Closing

RC = Rod Closing

Mesh Diameter

Lower Diameter Range of Mesh

Eye Style

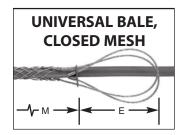
DE = Double Eye **SE** = Single Eye

OFS = Offset Eye

UB = Universal Bale



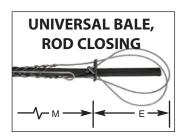
Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.



CATALOG		APPROX.	LENG	STH
NUMBER	DIA. RA.	BREAKING STRENGTH	E	M
SG-CM-050-UB	.5062	530LBS.	18	10
SG-CM-062-UB	.6374	790LBS.	18	10
SG-CM-075-UB	.7599	1020LBS.	18	13
SG-CM-100-UB	1.00-1.24	1610LBS.	18	14
SG-CM-125-UB	1.25-1.49	1610LBS.	18	15
SG-CM-150-UB	1.50-1.74	1610LBS.	18	17
SG-CM-175-UB	1.75-1.99	2150LBS.	18	19
SG-CM-200-UB	2.00-2.49	3260LBS.	18	21
SG-CM-250-UB	2.50-2.99	3260LBS.	18	23
SG-CM-300-UB	3.00-3.49	4900LBS.	18	25
SG-CM-350-UB	3.50-3.99	4900LBS.	18	27



CATALOG		APPROX.	LENG	STH
NUMBER	DIA. RA.	BREAKING STRENGTH	E	M
SG-LC-050-UB	.5062	530LBS.	18	10
SG-LC-062-UB	.6374	790LBS.	18	10
SG-LC-075-UB	.7599	1020LBS.	18	13
SG-LC-100-UB	1.00-1.24	1610LBS.	18	14
SG-LC-125-UB	1.25-1.49	1610LBS.	18	15
SG-LC-150-UB	1.50-1.74	1610LBS.	18	17
SG-LC-175-UB	1.75-1.99	2150LBS.	18	19
SG-LC-200-UB	2.00-2.49	3260LBS.	18	21
SG-LC-250-UB	2.50-2.99	3260LBS.	18	23
SG-LC-300-UB	3.00-3.49	4900LBS.	18	25
SG-LC-350-UB	3.50-3.99	4900LBS.	18	27



CATALOG		APPROX.	LENGTH	
NUMBER	DIA. RA.	BREAKING STRENGTH	Е	M
SG-RC-050-UB	.5062	530LBS.	18	10
SG-RC-062-UB	.6374	790LBS.	18	10
SG-RC-075-UB	.7599	1020LBS.	18	13
SG-RC-100-UB	1.00-1.24	1610LBS.	18	14
SG-RC-125-UB	1.25-1.49	1610LBS.	18	15
SG-RC-150-UB	1.50-1.74	1610LBS.	18	17
SG-RC-175-UB	1.75-1.99	2150LBS.	18	19
SG-RC-200-UB	2.00-2.49	3260LBS.	18	21
SG-RC-250-UB	2.50-2.99	3260LBS.	18	23
SG-RC-300-UB	3.00-3.49	4900LBS.	18	25
SG-RC-350-UB	3.50-3.99	4900LBS.	18	27

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Support Grip Number Structure

Product Type

Mesh

Mesh Diameter

Eye Style

SG = Support Grips

CM = Closed Mesh **LC** = Lace Closing Lower Diameter Range of Mesh

DE = Double Eye **SE** = Single Eye

UB = Universal Bale

SGHD = Support Grips Heavy Duty (Double Weave)

RC = Rod Closing

OFS = Offset Eye

Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.

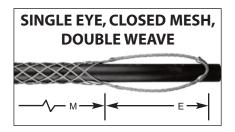




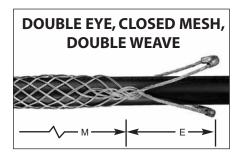




- Ericson Heavy Duty Support Grips are designed to withstand greater loads and increased stress
- Stranded tinned bronze wire.



CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SGHD-CM-075-SE	.7599	2820LBS.	10	25
SGHD-CM-100-SE	1.00-1.24	4280LBS.	10	28
SGHD-CM-125-SE	1.25-1.49	4280LBS.	10	30
SGHD-CM-150-SE	1.50-1.99	4280LBS.	10	34



CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SGHD-CM-075-DE	.7599	2820LBS.	10	25
SGHD-CM-100-DE	1.00-1.24	4280LBS.	10	28
SGHD-CM-125-DE	1.25-1.49	4280LBS.	10	30
SGHD-CM-150-DE	1.50-1.99	4280LBS.	10	34
SGHD-CM-200-DE	2.00-2.49	8050LBS.	10	36
SGHD-CM-250-DE	2.50-2.99	8050LBS.	10	38
SGHD-CM-300-DE	3.00-3.49	10060LBS.	10	40
SGHD-CM-350-DE	3.50-3.99	12070LBS.	10	44
SGHD-CM-400-DE	4.00-4.49	12070LBS.	10	46

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

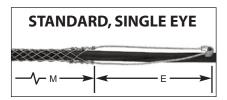
Support Grip Number Structure

Product Type Mesh **Mesh Diameter Eye Style SG** = Support Grips **CM** = Closed Mesh Lower Diameter **DE** = Double Eye **LC** = Lace Closing Range of Mesh **SE** = Single Eye $\textbf{SGHD} = \text{Support Grips} \ \ \textbf{RC} = \text{Rod Closing}$ **OFS** = Offset Eye **Heavy Duty UB** = Universal Bale (Double Weave)



Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.

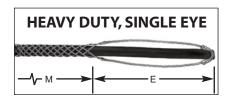
- Ericson Service Drop Grips are used in a wide variety of light duty electrical applications such as service entrance, cable tv, telephone, fiber optics, etc., in sloping, vertical, or horizontal positions.
- High grade non-magnetic tin coated bronze wire.



CATALOG		APPROX.	LENGTH	
NUMBER	DIA. RA.	BREAKING STRENGTH	E	М
SD-23-SE	.2331	290LBS.	4	3
SD-32-SE	.3243	290LBS.	4	4
SD-43-SE	.4356	380LBS.	6	5
SD-56-SE	.5673	600LBS.	7	6
SD-73-SE	.7385	790LBS.	7	6
SD-85-SE	.85-1.00	1020LBS.	8	8
SD-100-SE	1.00-1.25	1020LBS.	9	9



CATALOG NUMBER		APPROX.	LENGTH	
	DIA.RA.	BREAKING STRENGTH	E	M
SD-23-UB	.2331	290LBS.	8	3
SD-32-UB	.3243	290LBS.	10	4
SD-43-UB	.4356	380LBS.	12	5
SD-56-UB	D-56-UB .5673 600LBS.		13	6
SD-73-UB	.7385	790LBS.	14	6
SD-85-UB	.85-1.00	1020LBS.	14	8
SD-100-UB	1.00-1.25	1020LBS.	15	9



CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
SDHD-23-SE	.2331	500LBS.	5	5
SDHD-32-SE	.3243	500LBS.	6	6
SDHD-43-SE	.4356	870LBS.	6	8
SDHD-56-SE	.5673	1050LBS.	7	9
SDHD-73-SE	.7385	1390LBS.	8	10
SDHD-85-SE	.85-1.00	1790LBS.	8	12
SDHD-100-SE	1.00-1.25	1790LBS.	9	14



CATALOG NUMBER		APPROX.	LENG	STH
	DIA. RA.	BREAKING STRENGTH	E	M
SDHD-23-UB	.2331	500LBS.	9	5
SDHD-32-UB	.3243	500LBS.	10	6
SDHD-43-UB	.4356	870LBS.	12	8
SDHD-56-UB	.5673	1050LBS.	13	9
SDHD-73-UB	.7385	1390LBS.	14	10
SDHD-85-UB	.85-1.00	1790LBS.	14	12
SDHD-100-UB	1.00-1.25	1790LBS.	15	14

Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Bus Drops & Service Drops Number Structure

Product Type

Lower Diameter

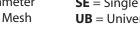
Range of Mesh

Mesh Diameter

Eye Style

SE = Single Eye **UB** = Universal Bale

SD = Service Drops **SDHD** = Service Drops **Heavy Duty** (Double Weave)









For permanent support when cable end is available to be installed through the grip.

	CABLE SIZE INCHES	.5062	.6374	.7599	1.00-1.24	1.25-1.49
	LENGTH	8"	9″	10"	11"	12"
CONDUIT	APX. BRK.	530	790	1030	1610	1610
SIZE	STR. LBS.	290	435	560	890	890
3/4"	CAT. NO.	CRG-C.75-CM-050				
1″	CAT. NO.	CRG-C1-CM-050	CRG-C1-CM-062			
1-1/4"	CAT. NO.	CRG-C1.25-CM-050	CRG-C1.25-CM-062	CRG-C1.25-CM-075		
1-1/2"	CAT. NO.	CRG-C1.50-CM-050	CRG-C1.50-CM-062	CRG-C1.50-CM-075	CRG-C1.50-CM-100	
2"	CAT. NO.	CRG-C2-CM-050	CRG-C2-CM-062	CRG-C2-CM-075	CRG-C2-CM-100	CRG-C2-CM-125
2-1/2"	CAT. NO.	CRG-C2.50-CM-050	CRG-C2.50-CM-062	CRG-C2.50-CM-075	CRG-C2.50-CM-100	CRG-C2.50-CM-125
3″	CAT. NO.	CRG-C3-CM-050	CRG-C3-CM-062	CRG-C3-CM-075	CRG-C3-CM-100	CRG-C3-CM-125
3-1/2"	CAT. NO.		CRG-C3.50-CM-062	CRG-C3.50-CM-075	CRG-C3.50-CM-100	CRG-C3.50-CM-125
4"	CAT. NO.		CRG-C4-CM-062	CRG-C4-CM-075	CRG-C4-CM-100	CRG-C4-CM-125
4-1/2""	CAT. NO.			CRG-C4.50-CM-075	CRG-C4.50-CM-100	CRG-C4.50-CM-125
5″	CAT. NO.			CRG-C5-CM-075	CRG-C5-CM-100	CRG-C5-CM-125
6"	CAT. NO.			CRG-C6-CM-075	CRG-C6-CM-100	CRG-C6-CM-125

	CABLE SIZE INCHES	1.50-1.74	1.75-1.99	2.00-2.49
	LENGTH	13"	14"	17"
CONDUIT	APX. BRK.	1610	2150	3260
SIZE	STR. LBS.	890	1180	1795
3/4"	CAT. NO.			
1″	CAT. NO.			
1-1/4"	CAT. NO.			
1-1/2"	CAT. NO.			
2″	CAT. NO.			
2-1/2"	CAT. NO.	CRG-C2.50-CM-150	CRG-C2.50-CM-175	
3″	CAT. NO.	CRG-C3-CM-150	CRG-C3-CM-175	CRG-C3-CM-200
3-1/2"	CAT. NO.	CRG-C3.50-CM-150	CRG-C3.50-CM-175	CRG-C3.50-CM-200
4"	CAT. NO.	CRG-C4-CM-150	CRG-C4-CM-175	CRG-C4-CM-200
4-1/2""	CAT. NO.	CRG-C4.50-CM-150	CRG-C4.50-CM-175	CRG-C4.50-CM-200
5″	CAT. NO.	CRG-C5-CM-150	CRG-C5-CM-175	CRG-C5-CM-200
6"	CAT. NO.	CRG-C6-CM-150	CRG-C6-CM-175	CRG-C6-CM-200

	CABLE SIZE INCHES	2.50-2.99	3.00-3.49	3.50-3.99
	LENGTH	18"	20"	21"
CONDUIT	APX. BRK.	3260	4080	4080
SIZE	STR. LBS.	1795	2245	2245
3/4"	CAT. NO.			
1″	CAT. NO.			
1-1/4"	CAT. NO.			
1-1/2"	CAT. NO.			
2"	CAT. NO.			
2-1/2"	CAT. NO.			
3″	CAT. NO.			
3-1/2"	CAT. NO.	CRG-C3.50-CM-250		
4"	CAT. NO.	CRG-C4-CM-250	CRG-C4-CM-300	
4-1/2""	CAT. NO.	CRG-C4.50-CM-250	CRG-C4.50-CM-300	CRG-C4.50-CM-350
5"	CAT. NO.	CRG-C5-CM-250	CRG-C5-CM-300	CRG-C5-CM-350
6"	CAT. NO.	CRG-C6-CM-250	CRG-C6-CM-300	CRG-C6-CM-350



- Ericson Conduit Riser Support Grips are used to support cable runs in vertical or sloping standard rigid conduit.
- They are designed to prevent cable creep in conduit and help prevent cable pullouts.
- Ericson Conduit Riser Support Grips install quickly and easily with no damage to electrical cable.
- The mesh is attached to a support ring, which sits on the conduit requiring no extra hardware to attach.
- Fittings, bushings, or couplings may be threaded on the conduit with the grip in place.
- Stranded tinned bronze wire.



For permanent support when cable end is not available.

	CABLE SIZE INCHES	.7599	1.00-1.24	1.25-1.49	1.50-1.74	1.75-1.99
	LENGTH	10"	11"	12"	13"	14"
CONDUIT SIZE	APX. BRK. STR. LBS.	1580 870	2040 1125	2040 1125	2040 1125	2730 1500
1-1/4"	CAT. NO.	CRG-C1.25-LC-075				
1-1/2"	CAT. NO.	CRG-C1.5-LC-075	CRG-C1.5-LC-100			
2″	CAT. NO.	CRG-C2-LC-075	CRG-C2-LC-100	CRG-C2-LC-125		
2-1/2"	CAT. NO.	CRG-C2.5-LC-075	CRG-C2.5-LC-100	CRG-C2.5-LC-125	CRG-C2.5-LC-150	CRG-C2.5-LC-175
3″	CAT. NO.	CRG-C3-LC-075	CRG-C3-LC-100	CRG-C3-LC-125	CRG-C3-LC-150	CRG-C3-LC-175
3-1/2"	CAT. NO.	CRG-C3.5-LC-075	CRG-C3.5-LC-100	CRG-C3.5-LC-125	CRG-C3.5-LC-150	CRG-C3.5-LC-175
4"	CAT. NO.	CRG-C4-LC-075	CRG-C4-LC-100	CRG-C4-LC-125	CRG-C4-LC-150	CRG-C4-LC-175
4-1/2"	CAT. NO.	CRG-C4.5-LC-075	CRG-C4.5-LC-100	CRG-C4.5-LC-125	CRG-C4.5-LC-150	CRG-C4.5-LC-175
5″	CAT. NO.	CRG-C5-LC-075	CRG-C5-LC-100	CRG-C5-LC-125	CRG-C5-LC-150	CRG-C5-LC-175
6"	CAT. NO.	CRG-C6-LC-075	CRG-C6-LC-100	CRG-C6-LC-125	CRG-C6-LC-150	CRG-C6-LC-175

	CABLE SIZE INCHES	2.00-2.49	2.50-2.99	3.00-3.49	3.50-3.99
	LENGTH	17"	18"	20"	21"
CONDUIT SIZE	APX. BRK. STR. LBS.	4300 2365	4300 2365	5380 2955	5380 2955
1-1/4"	CAT. NO.				
1-1/2"	CAT. NO.				
2″	CAT. NO.				
2-1/2"	CAT. NO.				
3″	CAT. NO.	CRG-C3-LC-200			
3-1/2"	CAT. NO.	CRG-C3.5-LC-200	CRG-C3.5-LC-250		
4"	CAT. NO.	CRG-C4-LC-200	CRG-C4-LC-250	CRG-C4-LC-300	
4-1/2"	CAT. NO.	CRG-C4.5-LC-200	CRG-C4.5-LC-250	CRG-C4.5-LC-300	CRG-C4.5-LC-350
5″	CAT. NO.	CRG-C5-LC-200	CRG-C5-LC-250	CRG-C5-LC-300	CRG-C5-LC-350
6"	CAT. NO.	CRG-C6-LC-200	CRG-C6-LC-250	CRG-C6-LC-300	CRG-C6-LC-350

Conduit Riser Grips Number Structure

Product Type

Conduit Size

Mesh Style

Mesh Diameter

CRG = Conduit Riser Grips

0.75" thru 6"

CM = Closed Mesh

LC = Lace Closing

RC = Rod Closing

Lower Diameter Range of Mesh









For temporary support when cable end is not available.

	CABLE SIZE INCHES	.7599	1.00-1.24	1.25-1.49	1.50-1.74	1.75-1.99
	LENGTH	11"	12"	13"	14"	15"
CONDUIT SIZE	APX. BRK. STR. LBS.	1020 560	1610 890	1610 890	1610 890	2150 1180
1-1/4"	CAT. NO.	CRG-C1.25-RC-075				
1-1/2"	CAT. NO.	CRG-C1.5-RC-075	CRG-C1.5-RC-100			
2"	CAT. NO.	CRG-C2-RC-075	CRG-C2-RC-100	CRG-C2-RC-125		
2-1/2"	CAT. NO.	CRG-C2.5-RC-075	CRG-C2.5-RC-100	CRG-C2.5-RC-125	CRG-C2.5-RC-150	CRG-C2.5-RC-175
3″	CAT. NO.	CRG-C3-RC-075	CRG-C3-RC-100	CRG-C3-RC-125	CRG-C3-RC-150	CRG-C3-RC-175
3-1/2"	CAT. NO.	CRG-C3.5-RC-075	CRG-C3.5-RC-100	CRG-C3.5-RC-125	CRG-C3.5-RC-150	CRG-C3.5-RC-175
4"	CAT. NO.	CRG-C4-RC-075	CRG-C4-RC-100	CRG-C4-RC-125	CRG-C4-RC-150	CRG-C4-RC-175
4-1/2"	CAT. NO.	CRG-C4.5-RC-075	CRG-C4.5-RC-100	CRG-C4.5-RC-125	CRG-C4.5-RC-150	CRG-C4.5-RC-175
5″	CAT. NO.	CRG-C5-RC-075	CRG-C5-RC-100	CRG-C5-RC-125	CRG-C5-RC-150	CRG-C5-RC-175
6"	CAT. NO.	CRG-C6-RC-075	CRG-C6-RC-100	CRG-C6-RC-125	CRG-C6-RC-150	CRG-C6-RC-175

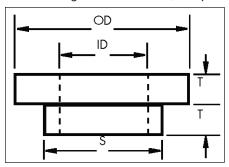
	INCHES	2.00-2.49	2.50-2.99	3.00-3.49	3.50-3.99
	LENGTH	16"	17"	19"	20
CONDUIT SIZE	APX. BRK. STR. LBS.	3260 1795	3260 1795	4080 2245	4080 2245
1-1/4"	CAT. NO.				
1-1/2"	CAT. NO.				
2″	CAT. NO.				
2-1/2"	CAT. NO.				
3″	CAT. NO.	CRG-C3-RC-200			
3-1/2"	CAT. NO.	CRG-C3.5-RC-200	CRG-C3.5-RC-250		
4"	CAT. NO.	CRG-C4-RC-200	CRG-C4-RC-250	CRG-C4-RC-300	
4-1/2"	CAT. NO.	CRG-C4.5-RC-200	CRG-C4.5-RC-250	CRG-C4.5-RC-300	CRG-C4.5-RC-350
5″	CAT. NO.	CRG-C5-RC-200	CRG-C5-RC-250	CRG-C5-RC-300	CRG-C5-RC-350
6"	CAT. NO.	CRG-C6-RC-200	CRG-C6-RC-250	CRG-C6-RC-300	CRG-C6-RC-350





Conduit Rings

Select Conduit Ring Dimension from chart to the right. Conduit Rings are cast bronze, zinc plated to resist corrosion



Conduit Ring Dimensions

CONDUIT	RING NO.	O.D.	I.D.	S	Т
3/4"	C-3/4"	.94	.62	-	.19
1"	C-1	1.31	.93	-	.19
1-1/4"	C-1-1/4	1.50	1.03	1.31	.16
1-1/2"	C-1-1/2	1.76	1.23	1.52	.16
2"	C-2	2.23	1.55	1.97	.16
2-1/2"	C-2-1/2	2.67	2.05	2.40	.16
3"	C-3	3.20	2.55	2.97	.22
3-1/2"	C-3-1/2	3.80	3.05	3.47	.22
4"	C-4	4.30	3.55	3.94	.22
4-1/2"	C-4-1/2	4.80	4.03	4.45	.22
5"	C-5	5.30	4.46	4.96	.22
6"	C-6	6.30	5.36	5.96	.25

For Ericson Conduit Riser Grips only use to determine grip size when multiple cables are held in a Single Conduit Riser Grip

- Under "Number of cables in one grip," find diameter of your cable in vertical column.
- Read grip size and grip diameter range to the right.
- If your diameter is the maximum of the range shown, go to the next larger size for split grips, stay with the same size for closed grips.
- Example: 3 cables, each with .85 diameter, for a closed grip select the 1.50 - 1.74 range, for a split grip use 1.75 - 1.99.

For Cables Of Equal Diameters

	NUMBER OF EQUAL DIAMETER CABLES IN ONE GRIP						
2	3	4	5	6 and7	8	9	GRIP DIAM. RANGE
.2936	.2430	.2125	.1822	.1620	.1518	.1417	.5062
.3743	.3136	.2630	.2327	.2124	.1922	.1820	.6374
.4458	.3748	.3141	.2836	.2532	.2329	.2127	.7599
.5972	.4960	.4251	.3745	.3340	.3036	.2834	1.00-1.24
.7387	.6172	.5261	.4654	.4148	.3743	.3540	1.25-1.49
.88-1.01	.7385	.6271	.5563	.4956	.4451	.4147	1.50-1.74
1.02-1.16	.8696	.7281	.6472	.5764	.5258	.4854	1.75-1.99
1.17-1.44	.97-1.20	.82-1.02	.7390	.6580	.5972	.5567	2.00-2.49
1.45-1.73	1.21-1.45	1.03-1.22	.91-1.08	.8196	.7387	.6881	2.50-2.99
1.74-2.02	1.46-1.69	1.23-1.43	1.09-1.26	.97-1.11	.83-1.01	.8294	3.00-3.49
2.03-2.31	1.70-1.93	1.44-1.63	1.27-1.44	1.12-1.27	1.02-1.15	.95-1.08	3.50-3.9

Conduit Riser Grips Number Structure

Product Type

Conduit Size

Mesh Style

Mesh Diameter

CRG = Conduit Riser Grips

0.75" thru 6"

CM = Closed Mesh

LC = Lace Closing

RC = Rod Closing

Lower Diameter Range of Mesh

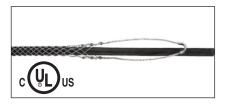






- High strength galvanized steel strand.
- Ericson Bus Drop Grips are easily installed and absorb tension, vibration, and pull with no damage.
- They support flexible cord or Bus Drop Cable at bus duct or industrial areas.
- Single eye can be used with springs by disassembling draw bar from coil, placing through eye and replacing draw bar.
- Hook eyes available, please consult factory.

SINGLE EYE, WIDE RANGE



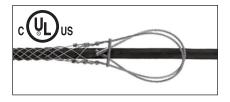
CATALOG NUMBER		APPROX.	LENGTH		
	DIA. RA.	BREAKING STRENGTH	E*	М	
*BD-022-SE	.2232	350LBS.	3	3-1/2**	
*BD-030-SE	.3043	450LBS.	4	4	
*BD-041-SE	.4156	550LBS.	6	4-3/4	
*BD-053-SE	.5373	1000LBS.	7	6	
*BD-070-SE	.7085	1400LBS.	7	6-3/4	
*BD-082-SE	.82-1.00	1400LBS.	8	8	
*BD-096-SE	.96-1.25	1500LBS.	9	9-1/2	
BD-125-SE	1.25-1.50	1800LBS.	10	12-1/2**	

DRY LOCATION ONLY



*Except Where Noted

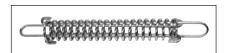
UNIVERSAL BALE, WIDE RANGE



CATALOG		APPROX.	LENGTH	
NUMBER	DIA.RA.	BREAKING STRENGTH	E*	М
BD-022-UB	.2232	350LBS.	9	3-1/2**
*BD-030-UB	.3043	450LBS.	10	4
*BD-041-UB	.4156	550LBS.	12	4-3/4
*BD-053-UB	.5373	1000LBS.	13	6
*BD-070-UB	.7085	1400LBS.	13	6-3/4
*BD-082-UB	.82-1.00	1400LBS.	14	8
*BD-096-UB	.96-1.25	1500LBS.	15	9-1/2

DRY LOCATION ONLY

BUS DROP SAFETY SPRINGS



CATALOG NUMBER	MAXIMUM DEFLECTION	APPROX. BREAKING	LENGTH (NO LOAD)	
NONDER	DEFECTION	STRENGTH	L	D
40LB SPRING	2-1/8 @40 LBS.	SPRING	600 LBS.	8-1/4
80LB SPRING	3-1/8 @80 LBS.	SPRING	850 LBS.	8-1/4

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

* Dim with Bale Fully Extended

** Not UL Listed

Bus Drops & Service Drops Number Structure

Product Type

Mesh Diameter

Eye Style

BD = Bus Drops **SD** = Service Drops Lower Diameter Range of Mesh

SE = Single Eye **UB** = Universal Bale

SDHD = Service Drops

(Double Weave)

Heavy Duty

Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.

Flag label shows catalog number, full description containing diameter range, barcode, mfg date, and MADE IN USA!





Flexible eyes will mate easily with line stringing swivels and links for attachment to pulling lines. They have great strength for trouble free pulling jobs.

When using a Pulling Grip, these shoulder protectors contain the cable inside of the grip and allow for a smooth passage of the grip through conduit bends.

All Ericson Pulling Grips utilize galvanized steel mesh strand that provides superior pulling grip strength and flexibility to follow the cable path of the installation.

Double weave construction is available for added strength with greater mesh contact on the cable to handler longer or heavier pulling requirements.

Closed Mesh weave allows for easy installation onto cable and is designed to be a reusable tool.







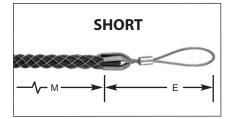
	How To Select The Correct Pulling Grip				
Step 1	Choose a pulling grip style that is best suited for your application. Junior Pulling Grips cable diameter range = .25 to 1.25" and Breaking Strength = 450 to 3900 lbs. Light Duty Grips cable diameter range = .50 to 3.99" and Breaking Strength = 2800 to 14700 lbs. Utility Pulling Grips cable diameter range = .50 to 6.99" and Breaking Strength range = 4500 to 48000 lbs.				
Step 2	Determine your cable outside diameter. Refer to Technical Reference section.				
Step 3	Find the mesh grip size that encompasses your cable diameter.				
Step 4	IMPORTANT! Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. For Pulling Grips, use a Safety Factor of 5. Refer to Refer to Technical Reference section for safety and working load considerations.				



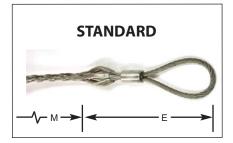




- High grade galvanized steel strand.
- They are single weave with a flexible eye for easy attachment to a pulling line.
- Ericson Light Duty Pulling Grips are used in general underground electrical construction where pulling tensions are low.

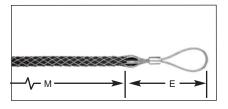


CATALOG NUMBER		APPROX.	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М
LDPG-050-S	.5061	2800LBS.	5	11
LDPG-062-S	.6274	2800LBS.	5	11
LDPG-075-S	.7599	4000LBS.	6	12
LDPG-100-S	1.00-1.24	5300LBS.	7	13
LDPG-125-S	1.25-1.49	5300LBS.	7	14
LDPG-150-S	1.50-1.74	6800LBS.	8	15
LDPG-175-S	1.75-1.99	8500LBS.	8	17
LDPG-200-S	2.00-2.49	8500LBS.	9	18
LDPG-250-S	2.50-2.99	10600LBS.	9	18
LDPG-300-S	3.00-3.49	14700LBS.	10	20



CATALOG NUMBER		APPROX.	LENGTH	
	DIA.RA.	BREAKING STRENGTH	E	M
LDPG-050	.5061	2800LBS.	5	16
LDPG-062	.6274	2800LBS.	5	16
LDPG-075	.7599	4000LBS.	6	20
LDPG-100	1.00-1.24	6800LBS.	7	20
LDPG-125	1.25-1.49	6800LBS.	7	21
LDPG-150	1.50-1.99	6800LBS.	8	23
LDPG-200	2.00-2.49	8500LBS.	9	25
LDPG-250	2.50-2.99	10600LBS.	9	27
LDPG-300	3.00-3.50	14700LBS.	10	30
LDPG-350	3.50-3.99	14700LBS.	10	32

JUNIOR PULLING For attaching to a pulling line, fish tape or snake.



CATALOG NUMBER		APPROX.	LEN	GTH
	DIA. RA.	BREAKING STRENGTH	E	М
JPG-25	.2536	450 LBS.	3-1/4	4-1/4
JPG-37	.3749	900 LBS.	3-1/4	7
JPG-50	.5061	1300 LBS.	4-1/4	8-1/2
JPG-62	.6274	1950 LBS.	5	10
JPG-75	.7599	2800 LBS.	5-3/4	10
JPG-100	1.00-1.25	3900 LBS.	6-1/2	11-1/2
JPG-KIT	.25-1.25			
INCLUDES:	JPG-25, JPG-37			
	JPG-50, JPG-62			
	JPG-75, JPG-100			

E = Eye Length M = Mesh Length at Nominal Diameter (Inches)

Pulling Grips Number Structure

Product Type

LDPG = Light Duty Pulling Grips **JPG** = Junior Pulling Grips

UPG = Utility Pulling Grips

Mesh Diameter

- Eye Style

Lower Diameter Range of Mesh **FE** = Flexible Eye

S = Short

Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.







- High strength galvanized steel strand.
- Pulling Grips are double weave for added strength with greater mesh contact on the cable to handle longer or heavier pulling jobs.

Standard, Flexible Eye



CATALOG NUMBER		APPROX.	LEN	LENGTH	
	DIA. RA.	BREAKING STRENGTH	E	М	
UPG-50-FE	.5061	4500LBS.	5	16	
UPG-62-FE	.6274	5600LBS.	5	16	
UPG-75-FE	.7599	6800LBS.	6	32	
UPG-100-FE	1.00-1.49	9600LBS.	7	33	
UPG-150-FE	1.50-1.99	16400LBS.	7	34	
UPG-200-FE	2.00-2.49	18500LBS.	9	36	
UPG-250-FE	2.50-2.99	24500LBS.	10	38	
UPG-300-FE	3.00-3.49	24500LBS.	10	39	
UPG-350-FE	3.50-3.99	31000LBS.	10	41	

For shorter or longer mesh please consult factory.

Pulling Grips Number Structure

Product Type

- Mesh Diameter

- Eye Style

Lower Diameter

Pulling Grips

JPG = Junior Pulling Grips

FE = Flexible Eye
Range of Mesh

S = Short

UPG = Utility Pulling Grips



Caution: When selecting a grip, never use to their approximate breaking strength. Refer to Technical Reference section for safety and working load factors.



Ericson's Strain Relief Grip and Mesh eliminates cable pullout to reduce a loss of service resulting in costly downtime. The endless mesh weave provides easy cable installation that is woven with stainless steel providing corrosion resistance for all applications. A NPT and PG threaded body allows for easy attachment to either a threaded hub or knock-out in box.







How to select a Strain Relief Grip

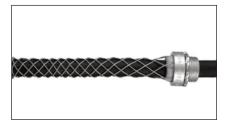
- **Step 1** Refer to chart below to determine which Strain Relief Grip style is best suited for your application.
- **Step 2** Determine outside diameter of cable.
- **Step 3** Is the application environment indoors or outdoors?
- **Step 4** Select N.P.T. size and fitting style.

Strain Relief Grip Style	Application	Features
Wide Range Grip	Indoor use only for wiring of electrical enclosures, portable power tools, bus drop cable systems, etc	Aluminum Body Stainless Steel Mesh Grip Range = .25 to 2.45"
Deluxe Cord Grip	Outdoors or indoors rated where item are subjected to moisture or splash. Examples are hand tools, pendant drops for cranes and hoists, or pumps and processing equipment.	Aluminum Nut Aluminum Body Neoprene Bushing Stainless Steel Mesh with Aluminum Collars Grip Range = .18 to 3.25"
Cord Grips	Outdoors or indoors rated where items are subjected to moisture or splash	Aluminum Nut Aluminum Body Neoprene Bushing
I - Grips	Provides additional strain relief for Plugs and Connectors while controlling the cable arc of bend. For indoor use only.	High Strength Galvanized Strand Grip Range = .30 to 1.25"



- Ericson Strain Relief Grips are wide range mesh construction with single weave, galvanized steel mesh.
- The one piece design is easy to install.
- Ericson Strain Relief Grips are used to connect flexible cord or bus drop cable to electrical enclosures, also prevents cord or cable pullout.
- Insulating bushing available for non-insulated aluminum fittings.
- Available with locknut and pvc gasket for a dirt and dust free seal.
- · Dry locations only.

SR SERIES Non-Insulated Wide Range Strain Relief



CATALOG NUMBER	DIA. RA.	THREAD SIZE NPT (INCHES)	LENGTH @ NOM DIA. (IN.)
SR-022	.2432	1/2	3-1/4
SR-030	.3243	1/2	3-3/4
SR-040	.4354	1/2	4-3/4
SR-052	.5473	3/4	6-1/2
SR-070	.7397	1	7
SR-094	.97-1.25	1-1/4	9

DRY LOCATION ONLY

SRP SERIES Insulated Wide Range Strain Relief with Insulating Bushing



CATALOG NUMBER	DIA.RA.	THREAD SIZE NPT (INCHES)	LENGTH @ NOM DIA. (IN.)	DIM. A (INCHES)
SRI-022	.2432	1/2 N.P.S.	3-1/4	1
SRI-030	.3243	1/2 N.P.S.	3-3/4	1
SRI-040	.4354	1/2 N.P.S.	4-3/4	1
SRI-052	.5473	3/4 N.P.S.	6-1/2	1
SRI-070	.7397	1 N.P.S.	7	1-3/16
SRI-094	.97-1.25	1-1/4 N.P.S.	9	1-3/16
SRI-120	1.25-1.50	1-1/2 N.P.T.	11-3/4	1-3/16
SRI-140	1.50-1.70	2 N.P.T.	13-1/4	1-3/8
SRI-162	1.70-2.00	2-1/2 N.P.T.	13-1/2	1-1/2
SRI-200	2.00-2.45	2-1/2 N.P.T.	13-3/4	1-1/2

DRY LOCATION ONLY

Strain Relief Number Structure

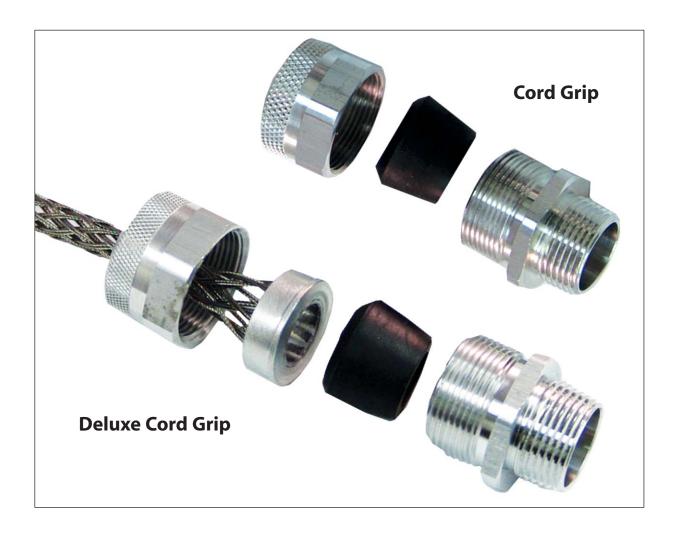
Product Type Mesh Diameter

Lower Diameter **SR** = Strain Relief **SRI** = Strain Relief Insulated Range of Mesh









Features

- Indoor and outdoor use
- Prevents cord pull-out
- For use where cable is exposed to moisture or submersion
- Eliminates fatigue points
- Control cable arc-of-bend

Cord Grip Materials

- Aluminum Nut
- Aluminum Body
- Neoprene Bushing

Deluxe Cord Grip Materials

- Aluminum Nut
- Aluminum Body
- Neoprene Bushing
- CCT M. I. id. I.
- SST Mesh with aluminum collars

Applications

- Wiring Enclosures
- Pumps
- Compressors
- Construction
- Hand Tools
- Processing Equipment
- Material Handling Equipment
- Motors & Machine Tools

COMPLIANCES:

National Electrical Code Articles 400-10 and 400-14 NEMA standars FB1-1983 Fed. Spec. W-C-586c Mil Spec 100 and 130 Available upon request

- Metal Clad Sealing "O" Ring
- Locknut

Suitable for use in hazardous locations under NEC Sec 501-4(b), 502-4(a)(2), and 503-2(a). For Class 1, Div 2; Class II, Div 1 and 2; and Class III, Div 1 and 2.



STRAIGHT CORD CONNECTORS Machined Aluminum



	MACHINED ALUMINUM				
NPT	DIAMETER RANGE	FORM SIZE	CATALOG NUMBER		
HUB SIZE	INCHES	I OKIM SIZE	CATALOG NOMBLIK		
	.062125		CG-12-F1		
	.125187		CG-18-F1		
3/8"	.187250	- F1	CG-25-F1		
3/6	.250312	гі	CG-3I-F1		
	.312 · .375		CG-37-F1		
	.375437		CG-43-F1		
	062125		CG-12-F2		
	.125187		CG-18-F2		
1/2"	.187250	F2	CG-25-F2		
1/2	.250375	ГZ	CG-37-F2		
	.312437	-	CG-43-F2		
	.375500		CG-50-F2		
	.375500	- F3	CG-50-F3		
3/4"	.500625		CG-62-F3		
3/4	.625-150		CG-75-F3		
	150875		CG-87-F3		
	.375500		CG-50-F4		
	.500625	F4	CG-62-F4		
1"	.625750		CG-75-F4		
'	.750875	Г4	CG-87-F4		
	.875-1.00		CG-100-F4		
	1.00- 1.12		CG-112-F4		
	.750875		CG-87-F5		
	.875-1.00		CG-100-F5		
1 1/4//	1.00-1.125 F5	F5	CG-112-F5		
1 1/4"	1.125-1.250	ro	CG-125-F5		
	1.250-1.375		CG-137-F5		
	1.375-1.437		CG-143-F5		
	.750875		CG-87-F6		
	.875-1.00		CG-100-F6		
1.1/2//	1.00-1.125	F.	CG-112-F6		
1 1/2"	1.125-1.25	F6	CG-125-F6		
	1.25-1.375		CG-137-F6		
	1.375-1.437		CG -143-F6		







STRAIGHT CORD CONNECTORS CASTINGS Cast Aluminum



	ALUMINUM 2"-3" NPT					
NPT	DIAMETER RANGE	FORM SIZE	CATALOG NUMBER			
HUB SIZE	INCHES	FORIVI SIZE	CATALOG NUMBER			
	.250-1.375		CG-137-F7			
	1.375-1.500		CG-150-F7			
	1.500-1.625		CG-162-F7			
2"	1.625-1750	F7	CG-175-F7			
	1.750-1.875		CG-187-F7			
	1.875-1.937		CG-193-F7			
	1.937-2.000		CG-200-F7			
	1.688-1.812		CG-181-F8			
	1.812-1.937		CG-193-F8			
2 1/2"	1.937-2.062	F8	CG-206-F8			
2 1/2	2062-2188	ГО	CG-218-F8			
	2.188-2.312		CG-231-F8			
	2.312-2.437		CG-243-F8			
	2.437-2.625		CG-262-F9			
3″	2.625-2.812	F9	CG-281-F9			
3	2.812-3.000	ГЭ	CG-300-F9			
	3.000-3.250		CG3-325-F9			

90° MALE CORD **CONNECTORS**



	MACHINED ALUMINUM				
NPT	DIAMETER RANGE	FORM SIZE	CATALOG NUMBER		
HUB SIZE	INCHES				
	.062125		CG-12-F1-90		
	.125187		CG-18-F1-90		
3/8"	.187250	F1	CG-25-F1-90		
3/0	.250312	1.1	CG-31-F1-90		
	.312375		CG-37-F1-90		
	.375437		CG-43-F1-90		
	.062125		CG-12-F2-90		
	.125187		CG-18-F2-90		
	.187250		CG-25-F2-90		
1/2"	.250375	F2	CG-37-F2-90		
	.312437		CG-43F-2-90		
	.375500		CG-50-F2-90*		
	.500625		CG-62-F2-90*		
	.375500		CG-50-F3-90		
2/4//	.500625	F3	CG-62-F3-90		
3/4"	.625750		CG-75-F3-90*		
	.750875		CG-87-F3-90*		
	.375500	F4	CG-50-F4-90		
	.500625		CG-62-F4-90		
- "	.625750		CG-75-F4-90		
1″	.750875		CG-87-F4-90		
	.875-1.000		CG-100-F4-90*		
	1.00-1.125		CG-112-F4-90*		
	.750875		CG-87-F5-90		
	.875-1.000		CG-100-F5-90		
	1000-1.125		CG-112-F5-90		
1 1/4"	1.125-1.250	F5	CG-125-F5-90*		
	1.250-1.375		CG-137-F5-90*		
	1.375-1.437		CG-143-F5-90*		
	.750875		CG-87-F6-90		
	.875-1.000		CG-100-F6-90		
	1.000-1.125		CG-112-F6-90		
1 1/2"	1.125-1.250	F6	CG-125-F6-90		
	1.250-1.375		CG-137-F6-90		
	1.375-1.437		CG-143-F6-90		
	1.250-1.375		CG-137-F7-90		
	1.375-1.500		CG-150-F7-90		
	1.500-1.625		CG-162-F7-90		
2"	1.625-1150	F7	CG-175-F7-90		
-	1.750-1.875	• •	CG-187-F7-90		
	1.875-1937		CG-193-F7-90		
	1.937-2.000	-	CG-200-F7-90*		
	1.557 2.000		CG 200 17 70		

^{*}Cable jacket may have to be stripped to pass through connector.







- Ericson Deluxe Cord Grips are used whenever cable or cord must withstand extreme applications and environmental conditions.
- Widely used with switch boxes, power duct cut-outs, drop stations, power hand tools, moving catalogs of machinery, pumps, compressors, and bus drop installations.
- Endless weave provides smooth cable-hugging ends for construction free installation.









THREAD SIZE N.P.T.	GRIP DIAM. RANGE INCHES	MALE THREAD DESCRIPTION	90° MALE THREAD DESCRIPTION	45° MALE THREAD DESCRIPTION	FEMALE THREAD DESCRIPTION
	.1825	DCG-25-F1	DCG-25-F1-90	DCG-25-F1-45	DCG-25-F1-F
3/8"	.2537	DCG-37-F1	DCG-37-F1-90	DCG-37-F1-45	DCG-37-F1-F
	.3743	DCG-43-F1	DCG-43-F1-90	DCG-43-F1-45	DCG-43-F1-F
	.1825	DCG-25-F2	DCG-25-F2-90	DCG-25-F2-45	DCG-25-F2-F
	.2537	DCG-37-F2	DCG-37-F2-90	DCG-37-F2-45	DCG-37-F2-F
1/2"	.3143	DCG-43-F2	DCG-43-F2-90	DCG-43-F2-45	DCG-43-F2-F
	.3750	DCG-50-F2	DCG-50-F2-90	DCG-50-F2-45	DCG-50-F2-F
	.5062	DCG-62-F2	DCG-62-F2-90	DCG-62-F2-45	DCG-62-F2-F
	.1825	DCG-25-F3	DCG-25-F3-90	DCG-25-F2-45	DCG-25-F3-F
	.2537	DCG-37-F3	DCG-37-F3-90	DCG-37-F2-45	DCG-37-F3-F
3/4"	.3750	DCG-50-F3	DCG-50-F3-90	DCG-50-F2-45	DCG-50-F3-F
	.5062	DCG-62-F3	DCG-62-F3-90	DCG-62-F2-45	DCG-62-F3-F
	.6275	DCG-75-F3	DCG-75-F3-90	DCG-75-F2-45	DCG-75-F3-F
	.3750	DCG-50-F4	DCG-50-F4-90	DCG-50-F2-45	DCG-50-F4-F
	.5062	DCG-62-F4	DCG-62-F4-90	DCG-62-F2-45	DCG-62-F4-F
1"	.6275	DCG-75-F4	DCG-75-F4-90	DCG-75-F2-45	DCG-75-F4-F
	.7587	DCG-87-F4	DCG-87-F4-90	DCG-87-F4-45	DCG-87-F4-F
	.87-1.00	DCG-100-F4	DCG-100-F4-90	DCG-100-F4-45	DCG-100-F4-F
	.7587	DCG-87-F5	DCG-87-F5-90	DCG-87-F5-45	DCG-87-F5-F
	.87-1.00	DCG-100-F5	DCG-100-F5-90	DCG-100-F5-45	DCG-100-F5-F
1-1/4"	1.00-1.125	DCG-112-F5	DCG-112-F5-90	DCG-112-F5-45	DCG-112-F5-F
	1.12-1.25	DCG-125-F5	DCG-125-F5-90	DCG-125-F5-45	DCG-125-F5-F
	1.25-1.37	DCG-137-F5	DCG-137-F5-90	DCG-137-F5-90	DCG-137-F5-F











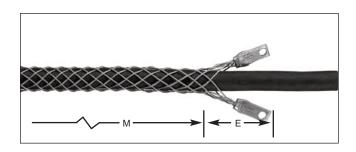
THREAD SIZE N.P.T.	GRIP DIAM. RANGE INCHES	MALE THREAD DESCRIPTION	90° MALE THREAD DESCRIPTION	45° MALE THREAD DESCRIPTION	FEMALE THREAD DESCRIPTION
	.7587	DCG-87-F6	DCG-87-F6-90	DCG-87-F6-45	DCG-87-F6-F
	.87-1.00	DCG-100-F6	DCG-100-F6-90	DCG-100-F6-45	DCG-100-F6-F
1 1/2//	1.00-1.125	DCG-112-F6	DCG-112-F6-90	DCG-112-F6-45	DCG-112-F6-F
1 1/2"	1.125-1.25	DCG-125-F6	DCG-125-F6-90	DCG-125-F6-45	DCG-125-F6-F
	1.25 - 1.37	DCG-137-F6	DCG-137-F6-90	DCG-137-F6-45	DCG-137-F6-F
	1.37 - 1.43,	DCG-143-F6	DCG-143-F6-90	DCG-143-F6-90	DCG-143-F6-F
	1.20-1.375	DCG-137-F7	DCG-137-F7-90		
	1.375-1.500	DCG-150-F7	DCG-150-F7-90		
	1.500-1.625	DCG-162-F7	DCG-162-F7-90		
2"	1.625-1.750	DCG-175-F7	DCG-175-F7-90		
	1.750-1.875	DCG-187-F7	DCG-187-F7-90		
	1.875-1.937	DCG-193-F7	DCG-193-F7-90		
	1.937-2.000	DCG-200-F7	DCG-200-F7-90		
	1.687-1.812	DCG-181-F8			
	1.812-1.937	DCG-193-F8			
2.4/2//	1.937-2.062	DCG-206-F8			
2 1/2"	2.062-2.187	DCG-218-F8			
	2.187-2.312	DCG-231-F8			
	2.312-2.437	DCG-243-F8			
	2.437-2.625	DCG-262-F9			
2"	2.625-2.812	DCG-281-F9			
3″	2.812-3.000	DCG-300-F9			
	3.000-3.250	DCG-325-F9			





- Ericson Grips are easy to attach, will control cable-arc-of bend, and provide heavy duty strain relief for plugs and connectors used on portable equipment where abnormal high strain abuse occurs.
- Ericson- Grips are made of high strength galvanized steel strand and are recommended for indoor use only.

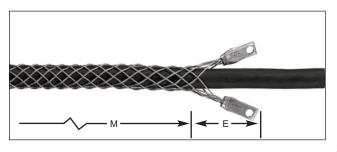
I - GRIPS GALVANIZED



CATALOG NUMBER	CABLE DIAMETER RANGE INCHES	E	М
I-030	.3043	1.25	4
I-040	.4056	1.25	4-3/4
I-052	.5273	1.50	6
I-070	.7085	1.50	6-1/2
I-082	.82-1.00	1.50	8
I-094	.94-1.25	1.50	10



I - GRIPS NYLON COATED



CATALOG NUMBER	CABLE DIAMETER RANGE INCHES	E	М
I-030-NC	.3043	1.25	4
I-040-NC	.4056	1.25	4-3/4
I-052-NC	.5273	1.50	6
I-070-NC	.7085	1.50	6-1/2
I-082-NC	.82-1.00	1.50	8
I-094-NC	.94-1.25	1.50	10

E = Eye Length **M** = Mesh Length at Nominal Diameter (Inches)



Technical Reference - Working Load and Safety Factor Considerations

The Grips in the catalog have listed approximate Breaking Strength. The approximate breaking strength of an Ericson grip represents an average calculation based on test factors, which have been determined from data established from actual testing performed in our engineering laboratories. The actual testing is performed with new Grips on metal rods, subject to straight longitudinal tensile loads applied at a uniform rate. Normal manufacturing and test factors can produce a variation + or - 20% in the approximate breaking strength values listed.

The broad application of Ericson Grips on a wide variety of objects require that adequate safety factors be used to establish a safe working load. The ratio of the listed approximate breaking strength to the normal working load is the safety factor. As an example, a safety factor of ten (10) would then mean the working load is established by dividing the catalog listed approximate breaking strength by ten (10), or it can be stated that the working load is 1/10 of the catalog listed approximate breaking strength.

To determine the recommended working load safety factor for cable grips, divide the approximate breaking strength by 5 for Pulling Grips and 10 for Support Grips.

Example: For Pulling Grips, 30,000 / 5 Safety Factor = 6000 lbs which is the workload factor. Example: For Support Grips, 11,000 / 10 Safety Factor = 1100 lbs which is the workload factor.

It is impossible to set a safety factor suitable for all cases as operating conditions are never the same. The load, the speed, the acceleration, the diameter, number of objects gripped, surface of object being gripped, and the attachments used - all of these should be considered, together with the effects of abrasion, corrosion, prior use, or abuse, etc. The user-engineer must consider all the variables of his/her specific application, as well as possible accident consequences, before selecting the safety

factor to be applied. Where the conditions of the application are not well defined or where risk of personnel or property damage is high, a greater safety factor should be utilized.

Any warranty as to quality, performance or fitness for use of Grips is always premised on the condition that the published approximate breaking strengths apply only to new, unused grips and that such products are properly stored, handled, used, maintained, and properly inspected from time to time during the period of use.

The factory should be consulted for specific application recommendations where approximate breaking strength and holding power are critical.







- Single weave Grips should be laced with single strand lacing; double weave with double strand.
- Lacing strands should be the same material as the Grip.



1 Start the lacing at the lead or anchoring end of all the Grip. Thread the lacings through the first loops of the split and pull through until the lacings are centered at

this point. Lace as you would your shoe, crossing the lacings before lacing the next two

loops.

2

Don't pull lacing too tight. leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.



3

Twist the lacing strands tightly together at the tail end of the Grip.



4

Wrap the ends of the lacings once or twice tightly around the tail of the Grip, twisting the ends together securely. Excess lace can be cut off.



Split Grips, closed with a rod, eliminate the time and guesswork of on-the-job lacing. The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are salvageable; may be removed and reused as many times as desired.



FAST TO INSTALL

Wrap the Grip around the cable and thread the rod through the preformed loops with a corkscrew motion, us-ing the curved end of the rod to engage the loops. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. To remove, simply pull the rod out.

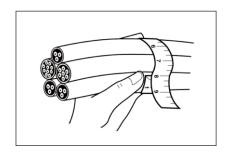








Selecting Proper Sized Pulling and Support Grips



How To Select Proper Grip Size For One Or More Cables Of EQUAL Diameter

Example: For four cables bundled together, each with a diameter of 0.30":

Step 1 Locate "4 Cables" column

Step 2 Read down column to range (0.28" - .031")

Step 3 Read across line to Grip Diameter Range (.062" - .075")

Grip size is based on the outside diameter or circumference of the cable(s). Use Selection Table 1 to determine the Grip Diameter Range for one or more cables of equal diameter.

Grip Selection Table for One or More Cables of Equal Diameter

- 1) Read across top line for number of cables in one grip
- 2) Read down for diameter of each cable
- 3) Read across line to Grip Diameter Range column

Table 1: Decimal and Fractional Inch Cable Diameters —
for One or More Cables of Equal Diameter

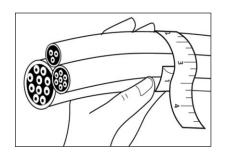
1 C	able	2	Cables	3 (Cables	4 Cables		Grip Diameter Range
0.25-0.37	1/4-3/8	0.16-0.25	1/64–1/4	0.15-0.22	5/32–7/32	0.12-0.20	1/8–13/64	.250–.375
0.37-0.50	3/8-1/2	0.25-0.36	1/4-23/64	0.22-0.33	7/32–21/64	0.20-0.28	13/64-9/32	.375–0.50
0.50-0.62	1/2-5/8	0.27-0.36	17/64-23/64	0.26-0.33	17/64–21/64	0.24-0.28	15/64-9/32	0.50-0.75
0.62-0.75	5/8-3/4	0.36-0.45	23/64-29/64	0.33-0.36	21/64-23/64	0.28-0.31	9/32–5/16	0.62-0.75
0.75-1.00	3/4–1	0.45-0.60	29/64-39/64	0.36-0.49	23/64-31/64	0.31-0.42	5/16-27/64	0.75-1.00
1.00-1.25	1–1 1/4	0.60-0.76	39/64-49/64	0.49-0.63	31/64–5/8	0.42-0.54	27/64-35/64	1.00-1.25
1.25-1.50	1 1/4–1 1/2	0.76-0.91	49/64-29/32	0.63-0.76	5/8-49/64	0.54-0.65	35/64-21/32	1.25-1.50
1.50-1.75	1 1/2–1 3/4	0.91-1.08	29/32-1 5/64	0.76-0.89	49/64–57/64	0.65-0.77	21/32-49/64	1.50–1.75
1.75-2.00	1 3/4–2	1.08-1.23	1 5/64–1 5/64	0.89-1.02	57/64–1 1/64	0.77-0.88	49/64–7/8	1.75–2.00
2.00-2.50	2-2 1/2	1.23-1.54	1 5/64–1 35/64	1.02-1.28	1 1/64–1 9/32	0.88-1.00	7/8–1	2.00-2.50
2.50-3.00	2 1/2–3	1.54-1.84	1 35/64–1 27/32	1.28-1.53	1 9/32–1 17/32	1.10-1.32	1 3/32–1 21/64	2.50-3.00
3.00-3.50	3–3 1/2	1.84-2.15	1 27/32–2 5/32	1.53-1.79	1 17/32–1 51/64	1.32-1.54	1 21/64–1 35/64	3.00-3.50
3.50-4.00	3 1/2-4	2.15-2.45	2 5/32–2 29/64	1.79-2.05	1 51/64–2 3/64	1.54–1.76	1 35/64–1 49/64	3.50-4.00







Selecting Proper Sized Pulling and Support Grips



Unequal Diameters

How To Select Proper Grip Size For Cables Of UNEQUAL Diameters

Step 1 Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see Illustration).

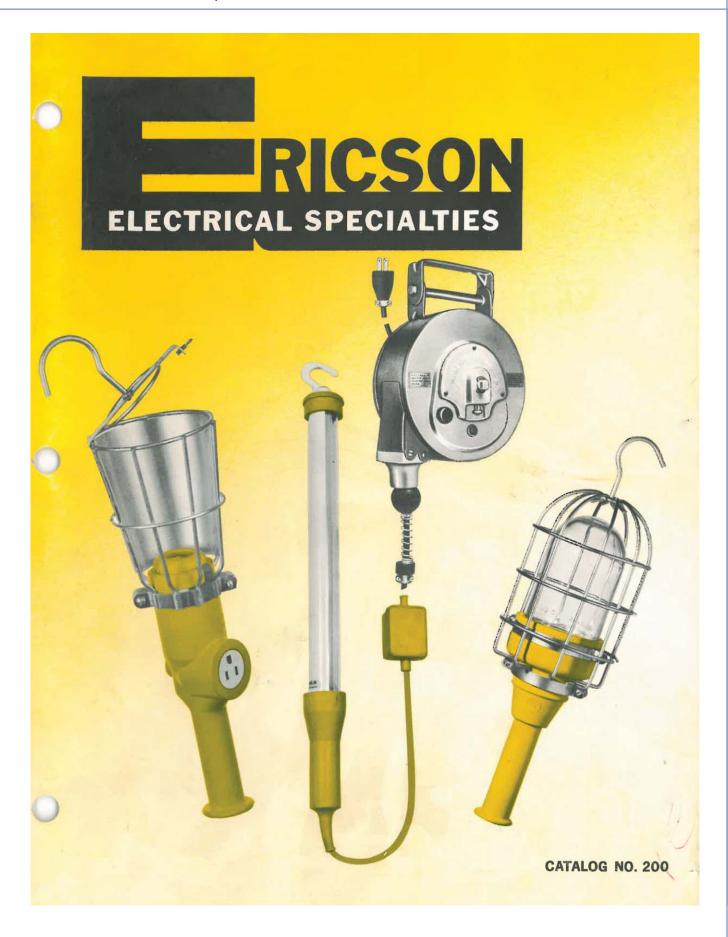
Step 2 Divide the bundle of circumference by 3.14 to determine the diameter.

Step 3 Choose a grip offering a range of cable diameters the same as the cable diameter.

Equal Diameters

Table 1: Decimal and Fractional Inch Cable Diameters — for One or More Cables of Equal Diameter

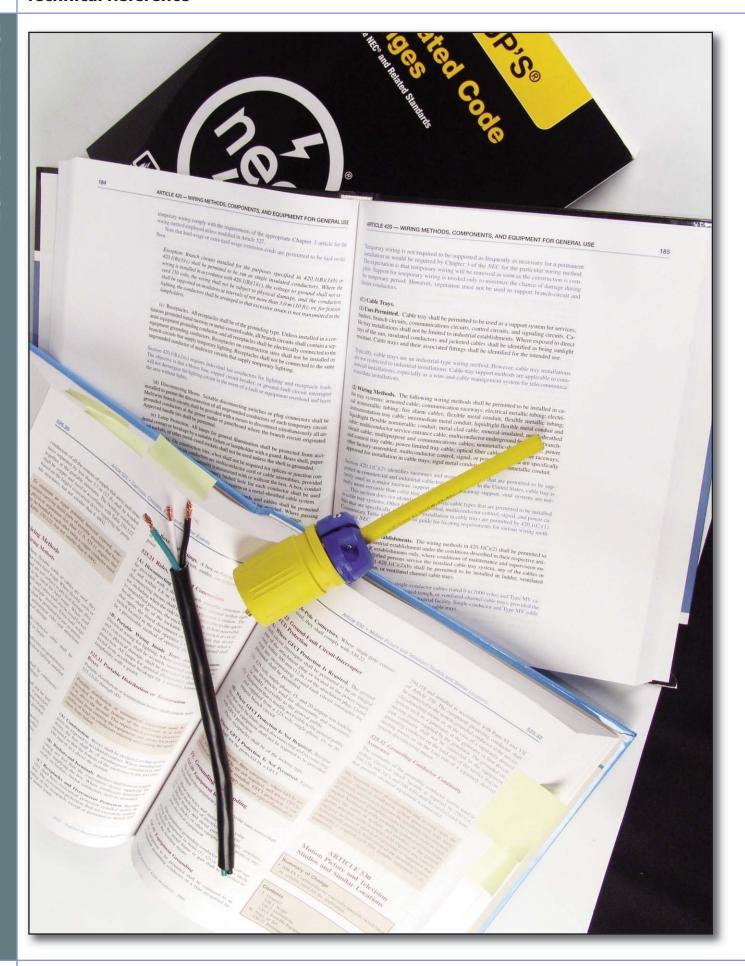
5 (Cables	6 & 7	' Cables	8 0	ables	9 Cables		Grip Diameter Range
0.11-0.14	7/64–9/64	0.10-0.11	3/32-7/64	0.09-0.10	3/32-7/64	0.06-0.09	1/16–3/32	.250375
0.14-0.25	9/64–1/4	0.11-0.25	7/64–1/4	0.10-0.20	7/64–13/64	0.09-0.19	3/32–3/16	.375-0.50
0.21-0.25	7/32–1/4	0.19-0.22	3/16–7/32	0.17-0.20	11/64–13/64	0.15-0.19	5/32–3/16	0.50-0.75
0.25-0.29	1/4–19/64	0.22-0.26	7/32–17/64	0.20-0.23	13/64–15/64	0.19-0.22	3/16–7/32	0.62-0.75
0.29-0.38	19/64–3/8	0.26-0.34	17/64–11/32	0.23-0.31	15/64–5/16	0.22-0.31	7/32–5/16	0.75-1.00
0.38-0.48	3/8-31/64	0.34-0.43	11/32–7/16	0.31-0.39	5/16-25/64	0.29-0.36	19/64–23/64	1.00-1.25
0.48-0.58	31/64-37/64	0.43-0.52	7/16–33/64	0.39-0.46	25/64–15/32	0.36-0.43	23/64–7/16	1.25-1.50
0.58-0.67	37/64-43/64	0.52-0.60	33/64–39/64	0.46-0.54	15/32–35/64	0.43-0.49	7/16–31/64	1.50-1.75
0.67-0.77	43/64-49/64	0.60-0.69	39/64–11/16	0.54-0.62	35/64–5/8	0.49-0.57	31/64–37/64	1.75-2.00
0.77-0.96	49/64-31/32	0.69-0.86	11/16–55/64	0.62-0.77	5/8-49/64	0.57-0.72	37/64–23/32	2.00-2.50
0.96-1.16	31/32–1 5/32	0.86-1.03	55/64–1 1/32	0.77-0.93	49/64–15/16	0.72-0.86	23/32-55/64	2.50-3.00
1.16–1.35	1 5/32–1 23/64	1.03-1.20	1 1/32–1 13/64	0.93-1.08	15/16–1 5/64	0.86-1.00	55/64–1	3.00-3.50
1.35–1.54	1 23/64–1 35/64	1.20-1.37	1 13/64–1 3/8	1.08-1.24	1 5/64–1 15/64	1.00-1.14	1–1 9/64	3.50-4.00











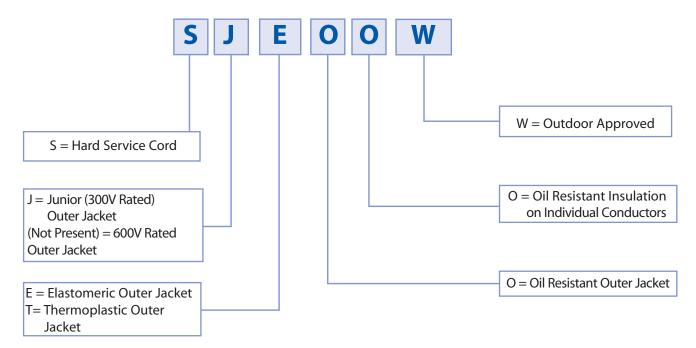
In the following pages you will find useful electrical industry information

- Lamp Comparison Chart
- NEMA Type Designations
- IP Rating System
- Hazardous Locations
- Temperature Conversion
- Metric Conversion Chart
- Electrical Formulas
- Glossary of Terms
- Metal Gang Box Danger
- Industrial Wiring Device Innovations
- OSHA Product Match

24/7 Emergency Assistance Hotline 1-877-OSCAR99 (672-2799)



Portable Electrical Cord Nomenclature



Diameter Ranges of Portable Electrical Cord In Accordance with UL 62

Туре	AWG Size	2 Conductors	3 Conductors	4 Conductors
SJ,SJE, SJOO,	18	0.280-0.315	0.300-0.335	0.325-0.365
SJO, SJEO, SJT,	16	0.305-0.340	0.325-0.360	0.350-0.395
SJTO, SJTOO	14	0.335-0.375	0.360-0.395	0.390-0.435
	12	0.405-0.455	0.425-0.475	0.465-0.520
	10	0.540-0.605	0.565-0.635	0.625-0.700
S, SE, SOO, SO	18	0.340-0.385	0.360-0.400	0.385-0.430
SEO, ST, STOO,	16	0.365-0.410	0.385-0.430	0.410-0.460
STO	14	0.495-0.550	0.520-0.575	0.560-0.620
	12	0.565-0.625	0.590-0.655	0.640-0.710
	10	0.615-0.685	0.650-0.720	0.700-0.775
	8	0.780-0.880	0.830-0.930	0.925-1.050
	6	0.920-1.050	0.970-1.100	1.050-1.200
	4	1.060-1.210	1.130-1.280	1.250-1.450
	2	1.210-1.400	1.300-1.500	1.450-1.650

Lamp Comparison Chart

This Chart shows typical light output (lumens) & expected life (hour) of commonly used incandescent & fluorescent bulbs.

WATTAGE	Түре	LUMENS	Average Life (HOURS)	CRI ⁽²⁾	Color ⁽³⁾ Temp
60	Incandescent A19	865	1000	100	2800
75	Incandescent A19	1190	750	100	2800
100	Incandescent A19	1710	750	100	2800
13	Compact Fluorescent T4/5 Twin or Quad Tube	825	10,000	82	4100
26	Compact Fluorescent T4/5 Twin or Quad Tube	1710	10,000	82	4100
17	Fluorescent T8	1325	20,000	86	4100
25	Fluorescent T8	2080	20,000	86	4100
32	Fluorescent T8	2950	20,000	86	4100
40	Fluorescent T8	3600	20,000	84	4100
18	F18BX Fluorescent 2G11 Base BIAX	1250	20,000	82	4100
27	F27BX Fluorescent 2 G11 Base BIAX	1800	12,000	82	4100
39	F39BX Fluorescent 2G11 Base BIAX	2850	12,000	82	4100
15	F15T8 CW Fluorescent	825	7,500	60	4100
30	F30T12 CW Fluorescent	2200	18,000	72	4100
40	F40T12 CW Fluorescent	3350	20,000	80	4100
70	HID High Pressure Sodium	6400	24,000 +	22	1900
150	HID High Pressure Sodium	16000	24,000 +	22	2000
70	HID Metal Halide	5600	12,000	70	3200
175	HID Metal Halide	13600	10,000	65	4000
400	HID Metal Halide	36000	20,000	65	4000

Notes:

- 1. All based on 120V 60Hz input
- 2. Based on a scale from 1 to 100 where 100 represents sunlight. The higher the number the truer the color appears
- 3. Sunlight is simulated with a light that is about 5000 K. The higher the number the whiter the light

Color Te	mp (K)	
COOL	7000	Overcast Sky
	6000	
	5000	Noon Sunlight
	4000	
	4000	Sunlight 1 Hr After Sunrise
	3000	Samigne i in itale samise
	\A/A DA 4	
	WARM	
	2000	Sunlight At Sunrise



Environmental ratings for enclosures based on "NEMA" Type designations

"NEMA" Types From UL50 & UL508

Enclosure Type Designation	Intended Use and Description
1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt and water.
3	Outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.
3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
3S	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and to provide for operation of external mechanisms when ice laden.
4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed
4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
6	Indoor or outdoor use primarily to provide a degree of protection again hose-directed water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation.
6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth and damage from external ice formation.
7	Indoor use in locations classified as Class I, Division 1, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (Commonly referred to as explosion-proof).
8	Indoor or outdoor use in locations classified as Class I, Division 2, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as oil immersed).
9	Indoor use in locations classified as Class II, Division 1, Groups E, F and G hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as dust-ignition proof).
10	Intended to meet the applicable requirements of the Mine Safety and Health Administration (MSHA).
12 and 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolant.

 $a.) \ ANSI/UL50, Enclosures for Electrical Equipment for Types \ 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 12, 12K \ and \ 13.$

Comparison of "NEMA" Type and "IP" Code designations Conversion of "NEMA" Type to "IP" Code designations*

Type Number	IP Designation
1	IP10
2	IP11
3	IP54
3R	IP54
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

^{*}Table cannot be used to convert "IP" Codes to "NEMA"Types. See NEMA 250 for additional details.

b.) ANSI/UL698, Industrial Control Equipment for Use in Hazardous (Classified) Locations and other related standards for Types 7, 8 and 9.

 $c.) \ ANSI/NEMA250, Enclosures for Electrical Equipment (1000 \ Volts \ Maximum) for Types \ 1, 2, 3, 3R, 3S, 4, 4X, 5, 6, 6P, 7, 8, 9, 12, 12K \ and \ 13.$

 TABLE 1 - CHARACTERISTICS DEFINED BY THE IEC Per Standard 60529

				Sec	ond Digit	Protection	n against tl	he penetra	tion of liqu	ids	
			IP_0	IP_1	IP_2	IP_3	IP_4	IP_5	IP_6	IP_7	IP_8
						ā	0	当	其		
			Non protected	Protection against vertical falling of water drops	Protection against falling of water drops at an angle up to 15° from the vertical	Protection against spraying water (rain) at an angle up to 60° from the vertical	Protection against splashing water from any direction (360°)	Protection against water jets from any direction (360°)	Protection against heavy seas (waves)	Protection against effects of immersion in water under defined conditions of pressure and time	Protection against continuous submersion in water
		ection against persons - gress of solid foreign objects		۵		۵	۵	٨		۵	
IP 0_		Without protection	IP 00								
IP 1_	0	Protection against touching with the hand and solid objects greater than 50mm dia.	IP 10	IP 11	IP 12						
IP 2_		Protection against touching with the finger and solid objects greater than 12mm dia.	IP 20	IP 21	IP 22	IP 23					
IP 3_		Protection against touching with tools, wires, etc. more than 2.5mm thick and solid objects greater than 2.5mm dia.	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4_	O =	Protection against touching with tools, wires, etc. more than 1mm thick and solid objects greater than 1mm dia.	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5_		Unlimited protection against contact with live parts and damaging deposits of dust	IP 50				IP 54	IP 55			
IP 6_	0	Unlimited protection against contact with live parts and any penetration of dust	IP 60					IP 65	IP 66	IP 67	IP 68

In some countries a third digit (for mechanical security) is added.

Class I Hazardous Locations

Flammable Gases, Vapor or Liquids Class I Area Classifications

Division 1:

Where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operating conditions.

Division 2:

Where ignitable concentrations of flammable gases, vapors or liquids are not likely under normal operating conditions.

Zone 0:

Where ignitable concentrations of flammable gases, vapors or liquids are present continuously or for long periods of time under normal operating conditions.

Zone 1:

Where ignitable concentrations of flammable gases, vapors or liquids are likely to exist under normal operating conditions.

Zone 2:

Where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions.

Class I Groups

Division 1 and 2

A (acetylene)

B (hydrogen)

C (ethylene)

D (propane)

Zone 0, 1 and 2

IIC (acetylene & hydrogen)
IIB (ethylene)

IIA (propane)

Class I Temperature Codes

Division 1 and 2

T1 (< 450°C)

T2 (< 300°C)

T2A, T2B, T2C, T2D

(≤ 280°C, ≤ 260°C, ≤ 230°C, ≤ 215°C)

T3 (< 200°C)

T3A, T3B, T3C

(≤ 180°C, ≤ 165°C, ≤ 160°C)

T4 (≤ 135°C)

T4A (< 120°C)

T5 (< 100°C)

T6 (< 85°C)

Zone 0,1 and 2

T1 (< 450°C)

T2 (< 300°C)

T3 (≤ 200°C)

T4 (< 135°C)

T5 (≤ 100°C)

T6 (≤ 85°C)

Hazardous location information provided courtesy of UL copyright© 1999 Underwriters Laboratories, Inc.

Class II Hazardous Locations

Combustible Dusts Class II Area Classifications

Division 1:

Where ignitable concentrations of combustible dusts can exist all of the time or some of the time under normal operating conditions.

Division 2:

Where ignitable concentrations of combustible dusts are not likely to exist under normal operating conditions.

Class II Groups

Division 1 and 2

E (metals--- Div. 1 only) F (coal) G (grain)

Class II Temperature Codes

Division 1 and 2

T1 (< 450°C) T2 (< 300°C) T2A, T2B, T2C, T2D (≤ 280°C, ≤ 260°C, ≤ 230°C, ≤ 215°C) T3 (< 200°C) T3A, T3B, T3C (< 180°C, ≤ 165°C, ≤ 160°C) T4 (< 135°C) T4A (≤ 120°C) T5 (< 100°C) T6 (< 85°C)

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Class III Hazardous Locations

Ignitable Fibers & Flyings Class III Area Classifications

Division 1:

Where easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

Division 2:

Where easily ignitable fibers are stored or handled.

Class III Temperature Codes

Division 1 and 2

None

Note: Article 503 of the NEC limits the maximum temperature for Class III equipment to 165°C for equipment not subject to overloading and to 120°C for equipment that maybe overloaded.

Class III Groups

Division 1 and 2

None

Hazardous Locations Markings

Class I, II & III Division 1 & 2 (U.S. & Canada) - This marking would include:

Class(es), Division(s), Gas/Dust Group(s), Temperature Code Example: Class I, Division I, Group C & D, T4A

Class I, Zone 0, 1 & 2 (U.S. & Canada) - This marking would include:

Method A: For Zone Listings based on UL 2279 or the CSA-E79 Series Class, Zone(s), Ex, Protection Method(s), Gas Group, Temperature Code Example: Class I, Zone 1, Ex de IIB, T4

Method B: For Zone Listings based on UL or CSA Division Certification Documents Class, Zone(s), Gas Group, Temperature Code Example: Class I, Zone 1, Group IIB, T4

Note: For U.S. Zone Listings based on UL 2279, Article 505 of the 1999 NEC requires that the "Ex" element of the marking string shall read "AEx."

Note: For Canadian Zone listings based on the CSA-E79 Series, the "Class" and "Zone" elements of the marking string are optional.

Zone 0, 1 & 2 (IEC only) - This marking would include;

EEx, Protection Method(s), Gas Group, Temperature Code Example: Ex de IIB T4

Zone 0, 1 & 2 (Europe only) - This marking would include:

EEx, Protection Method(s), Gas Group, Temperature Code Example: EEx de IIB T4

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Temperature Conversion Chart

- 1. Locate known temperature in $^{\circ}\text{C}/^{\circ}\text{F}$ column
- 2. Read converted temperature in °C or °F column

Example: To convert 75 F to Celsius...

Locate 75 in °C/°F column

Read converted temperature in C Column, 23.9 C

°C	°C/°F	°F	°C	°C/°F	°F	°C	°C/°F	°F
-40.0	-40	-40	40.6	105	221	123.9	255	491
-37.2	-35	-31	43.3	110	230	126.7	260	500
-34.4	-30	-22	46.1	115	239	129.4	265	509
-31.7	-25	-13	48.9	120	248	132.2	270	518
-28.9	-20	-4	51.7	125	257	135.0	275	527
-26.1	-15	5	54.4	130	266	137.8	280	536
-23.3	-10	14	57.2	135	275	140.6	285	545
-20.6	-5	23	60.0	140	284	143.3	290	554
-17.8	0	32	62.8	145	293	146.1	295	563
-15.0	5	41	65.6	150	302	148.9	300	572
-12.2	10	50	68.3	155	311	151.7	305	581
-9.4	15	59	71.1	160	320	154.4	310	590
-6.7	20	68	76.7	170	338	157.2	315	599
-3.9	25	77	79.4	175	347	160.0	320	608
-1.1	30	86	82.2	180	356	162.8	325	617
1.7	35	95	85.0	185	365	165.6	330	626
4.4	40	104	87.8	190	374	168.3	335	635
7.2	45	113	90.6	195	383	171.1	340	644
10.0	50	122	93.3	200	392	173.9	345	653
12.8	55	131	96.1	205	401	176.7	350	662
15.6	60	140	98.9	210	410	179.4	355	671
18.3	65	149	101.7	215	419	182.2	360	680
21.1	70	158	104.4	220	428	185.0	365	689
23.9	75	167	107.2	225	437	187.8	370	698
26.7	80	176	110.0	230	446	190.6	375	707
29.4	85	185	112.8	235	455	193.3	380	716
32.2	90	194	115.6	240	464	196.1	385	725
35.0	95	203	118.3	245	473	198.9	390	734
37.8	100	212	121.1	250	482	201.7	395	743

Temperature Conversion Formulas

 $^{\circ}F = (9/5 \times ^{\circ}C) + 32$

°C = 5/9 (°F - 32)



Metric Conversion Chart

(Fraction Inch to Decimal Inch and Millimeters)

Fraction (In.)	Three Place Decimal (In.)	Three Place Decimal (mm)
1/64	0.016	0.397
1/32	.031	.794
3/64	.047	1.191
1/16	.062	1.588
5/64	.078	1.934
3/32	.094	2.381
7/64	.100	2.778
1/8	.125	3.175
9/64	.141	3.572
5/32	.156	3.969
11/64	.172	4.366
3/16	.188	4.763
13/64	.203	5.159
7/32	.219	5.556
15/64	.234	5.953
1/4	.250	6.350
17/64	.266	6.747
9/32	.281	7.144
19/64	.297	7.541
5/16	.312	7.938
21/64	.328	8.334
11/32	.344	8.731
23/64	.359	9.128
3/8	.375	9.525
25/64	.391	9.922
13/32	.406	10.319
27/64	.422	10.716
7/16	.438	11.113
29/64	.453	11.509
15/32	.469	11.906
31/64	.484	12.303
1/2	.500	12.700

Fraction (In.)	Three Place Decimal (In.)	Three Place Decimal (mm)
33/64	.516	13.097
17/32	.531	13.494
35/64	.547	13.891
9/16	.562	14.288
37/64	.578	14.684
19/32	.594	15.081
39/64	.609	15.478
5/8	.625	15.875
41/64	.641	16.272
21/32	.656	16.669
43/64	.672	17.066
11/16	.688	17.463
45/64	.703	17.859
23/32	.719	18.256
47/64	.734	18.653
3/4	.750	19.050
49/64	.766	19.447
25/32	.781	19.844
51/64	.797	20.241
13/16	.812	20.638
53/64	.828	21.034
27/32	.844	21.431
55/64	.859	21.828
7/8	.875	22.225
57/64	.891	22.622
29/32	.906	23.019
59/64	.922	23.416
15/16	.938	23.813
61/64	953	24.209
31/32	.969	24.606
63/64	.984	25.003
1	1.000	25.400

Metric Conversion Formulas

To Obtain	Multiply		
Millimeters	Inches x 25.4		
Inches	Millimeters x 0.0394		
Meter	Feet x .3048		
Feet	Meters x 3.281		
Square Centimeters	Square Inches x 6.45		
Square Inches	Square Centimeters x 0.155		
Kilograms	Pounds x 0.4536		
Pounds	Killograms x 2.205		

OHMS Law

Power

Watts = Amperes x Volts or Amps x Amps x ohms, or Volts x Volts

Amperes = Watts Volts

HP = Volts x Amps x Efficiency 746

Watts **Power Factor** = Amperes x Volts

746 x HP (Horsepower) 3-phase 1.732 x Volts x Efficiency x Power Factor Amperes =

Volts x Amperes x Power Factor Single-phase Kilowatts = 1000

746 x HP (Horsepower) Single-phase Amperes = Volts x Efficiency x Power Factor

Approximate Voltage Drop for Various Extension Cord Gauges, Lengths, and Amps

Cord		Current flowin	g through cord	ı
Length, feet	10A	15A	20A	30A
	Cord S	ize = #16 gaug	je wire	
10	1.0 V (0.8%)			
20	2.0 V (1.7%)			
30	2.9 V (2.4%)			
40	3.9 V (3.3%)			
50	4.9 V (4.1%)			
100	9.8 V (8.2%)			
	Cord S	ize = #14 gaug	je wire	
10	0.6 V (0.5%)	0.9 V (0.8%)		
20	1.2 V (1.0%)	1.8 V (1.5%)		
30	1.8 V (1.5%)	2.7 V (2.3%)		
40	2.4 V (2.0%)	3.6 V (3.0%)		
50	3.0 V (2.5%)	4.6 V (3.8%)		
100	6.1 V (5.1%)	9.1 V (7.6%)		
	Cord S	ize = #12 gaug	je wire	
10	0.4 V (0.3%)	0.6 V (0.5%)	0.8 V (1.7%)	
20	0.8 V (0.7%)	1.1 V (0.9%)	1.5 V (1.3%)	
30	1.1 V (0.9%)	1.7 V (1.4%)	2.3 V (1.9%)	
40	1.5 V (1.3%)	2.3 V (1.9%)	3.1 V (2.6%)	
50	1.9 V (1.6%)	2.9 V (2.4%)	3.8 V (3.2%)	
100	3.8 V (3.2%)	5.7 V (4.8%)	7.7 V (6.4%)	
	Cord S	ize = #10 gaug	je wire	
10	0.2 V (0.2%)	0.4 V (0.3%)	0.5 V (0.4%)	0.7 V (0.6%)
20	0.5 V (0.4%)	0.7 V (0.6%)	1.0 V (0.8%)	1.4 V (1.2%)
30	0.7 V (0.6%)	1.1 V (0.9%)	1.4 V (1.2%)	2.2 V (1.8%)
40	1.0 V (0.8%)	1.4 V (1.2%)	1.9 V (1.6%)	2.9 V (2.4%)
50	1.2 V (1.0%)	1.8 V (1.5%)	2.4 V (2.0%)	3.6 V (3.0%)
100	2.4 V (2.0%)	3.6 V (3.0%)	4.8 V (4.0%)	7.2 V (6.0%)

Note 1: Numbers are rounded to the nearest 0.1V and 0.1%.

Note 2: Voltage drops shown are the same for any single-phase supply voltage. Voltage drop depends only on amps.

Note 3: Values are approximate, as they are affected by factors such as temperature.

Note 4: For a given cord size and amps, voltage drop is uniform over a length of cord, so for example, a 40 ft cord has twice the voltage drop as a 20 ft cord. That means the numbers in the voltage drop columns can be added together. For example, the voltage drop for a 70 ft cord can be found by adding together the voltage drops for a 30 ft cord and a 40 ft cord.



AC (Alternating Current) - An electrical current that reverses direction in a circuit at regular intervals, such as normal household current.

Adapter - Device that adapts one form or size of connection to another.

ALCI - Appliance Leakage Current Interrupter. An ALCI is a device intended to be used in conjunction with an electrical appliance whose function is to interrupt both conductors of the electric circuit to a load when a fault current to ground exceeds 4-6 mA and is less than that required to operate the overcurrent protection device of the circuit. The ALCI is intended to be used only in a circuit that has a solidly grounded neutral conductor, and is required. ALCIs are considered "personal protection" devices and contain the following features: a) Can function either line polarity, and b) Other features may or may not be provided.

Ambient Temperature - The temperature of a medium (gas or liquid) surrounding an object.

Ampacity - The current in amperes that a conductor can carry continuously under the conditions of use without exceeding its temperature rating.

Ampere - The unit of current. One ampere is the current flowing through one ohm of resistance at one volt potential.

Attachment Plug - Male contact device for the readily detachable connection of a flexible cord or cable to receptacles, connectors, flanged equipment power outlets, etc.

Auto Reset - GFCI that powers-up automatically upon plug-in and after power loss. User must press the reset button in the event of a ground fault to restore power.

AWG - American Wire Gauge. A relative system for the designation of wire diameter.

Braid - A fibrous or metallic group of filaments interwoven in cylindrical form to form a covering over one or more wires. Typically used to add mechanical strength & abrasion resistance to flexible cord.

Circuit (Electric) - The complete path of an electrical current. When the continuity is broken, it is called an open circuit; when continuity is maintained, it is called a closed circuit.

Collector Ring - A collector ring is an assembly of slip rings for transferring electrical energy from a stationary to a rotating member.

Conductor - An uninsulated wire suitable for carrying electrical current.

Confined Space (1) - OSHA defines a confined space as an area that: (1) is large enough and so configured that an employee can bodily enter and perform assigned work; and (2) has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry); and (3) is not designed for continuous employee occupancy ¹.

Contacts - The parts of the connector that actually carry the electrical current, and are touched together or separated to control the flow.

Continuity Check - A test to determine whether electrical current flows continuously throughout the length of a single wire or individual wires in a cable.

Cord - A flexible insulated cable.

Cord Connector - Female contact device used in making a detachable connection to an attachment plug or a flanged equipment power inlet.

Cord Grip - Means by which the flexible cord entering a device is gripped in order to relieve stress on the terminals from tension applied to the cord.

CSA - Canadian Standards Association. This is a nonprofit, independent organization that operates a listing service for electronic materials and equipment. The Canadian counterpart of the Underwriters Laboratories.

Current Carrying Capacity - The maximum current an insulated conductor can safely carry without exceeding its insulation and jacket temperature limitations.

1. Source OSHA web site www.osha.gov

DC (Direct Current) - An electric current that flows only in one direction through a circuit, such as battery power.

Damp location - Partially protected locations under canopies, marguees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements.

Dead Front - Without live parts exposed to a person on the operating side of the equipment.

Dielectric Strength - The voltage that an insulation can withstand before breakdown occurs. Usually expressed as a voltage gradient (such as volts per mil).

Dry Location - A location not normally subject to dampness or wetness. A location classified as dry may be temporarily subject to dampness or wetness, as in the case of a building under construction.

Dustproof - So constructed or protected that dust will not interfere with its successful operation.

EMI - Abbreviation for electromagnetic interference.

Elastomer - Macromolecular material that at room temperature returns rapidly to approximately it's initial dimensions and shape after substantial deformation by a weak stress and release of that stress.

ELCI - Equipment Leakage Current Interrupter. The ELCI is a device intended to provide leakage current protection in appliances and utilization equipment whose function is to interrupt all ungrounded conductors of the supply circuit to electrical equipment in the event a current, in excess of the trip current, occurs between live parts and the grounded enclosure of other grounded parts. An ELCI is not intended to be used in place of a GFCI, ALCI, or IDCI and may have any trip current value greater that 6 mA. The use of an ELCI is not intended to replace or supersede the overcurrent protection requirements concerning trip current and time. ELCIs are considered "equipment protection" devices, not personal protection devices.

Flame Resistance - The ability of a material not to propagate flame once the heat source is removed.

Gauge - A term used to denote the physical size of a wire. See AWG.

GFCI - Ground Fault Circuit Interrupter, also known as a GFI. A device intended for the protection of personnel as well as equipment. It de-energizes a circuit within an established period of time (25 ms) when a current to ground exceeds some predetermined value (4-6 mA, for a Class A GFCI) that is less than that required to operate the overcurrent protective device of the supply circuit.

GFCI - (Class A) - Denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 mA or more.

Ground - An electrical term meaning to connect to the earth or other large conducting body to serve as an earth, thus making a complete electrical circuit.

Ground Fault - An unintentional electrical path between a part operating normally at some potential to ground, and ground.

Grounded Neutral - GFCI will automatically trip if the neutral conductor is grounded on the load side of the device (after sensor). If the load side neutral is shorted to ground and also a ground fault occurred simultaneously, some of the fault current would flow through the neutral wire to the sensor and some would flow through the inadvertent ground path. If such a ground connection occurred, it would be possible for a person to contact a hot wire and ground, having the ground fault current flow through the inadvertent neutral ground and the neutral to the service entrance. Under this condition, there may not be enough imbalance in current through the sensor to cause the GFCI to trip.

Hospital Grade - A device constructed to meet performance requirements of high abuse areas found in hospital locations, tested to "Hospital Grade" requirements of Underwriters' Laboratories Standard UL 498.

Incandescent - Method for producing light by heating a thin filament.

Manual Reset - GFCI that requires the user to press the reset button upon plug-in, after power loss to prevent accidental equipment start-up and in the event of a ground fault to restore power.



Motor - Circuit Switch - A switch, rated in horsepower, capable of interrupting the maximum operating overload current of a motor of the same horsepower rating as the switch at the rated voltage.

NEMA - National Electrical Manufacturers Association.

NEMA 4X - An enclosure rating per UL50 and UL508 indicating that the product is intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.

NFPA - National Fire Protection Association.

Nuisance Trip - Tripping caused by conditions other than those for which the device is intended to respond.

Open Neutral Protection - GFCI will automatically trip when the neutral connection is lost. When the neutral connection is open, this creates an unsafe condition where the available current has lost its normal flow path, thus increasing the potential for the current to flow elsewhere.

OSHA - Occupational Safety and Health Act. Specifically the Williams-Steiger Law passed in 1970 covering all factors relating to safety in places of employment.

Overcurrent - Any current in excess of the rated current of equipment or the ampacity of a conductor. It may result from overload (see definition), short circuit, or ground fault. A current in excess of rating may be accommodated by certain equipment and conductors for a given set of conditions. Hence the rules for overcurrent protection are specific for particular situations.

Overload - Operation of equipment in excess of normal, full load rating, or of a conductor in excess of rated ampacity which, when it persists for a sufficient length of time, would cause damage or dangerous overheating. A fault, such as a short circuit or ground fault, is not an overload (See "Overcurrent").

Primary - The line (Power source) side of a device.

PVC - Polyvinyl Chloride. Compound used in thermoplastic (SJTW - STW) cords.

Rated Voltage - The maximum voltage at which an electrical component can operate for extended periods without undue degradation or safety hazard.

RFI - Abbreviation for radio frequency interference.

Reverse Polarity - Condition where the Hot and Neutral connections are switched.

Secondary - The load (equipment) side of a device.

SEOW - Extra Hard Service cord. 600v, oil resistant thermoplastic elastomer outer jacket. Weather resistant for outdoor use.

SJEOW - Junior hard service cord. 300v, oil resistant thermoplastic elastomer outer jacket. Weather resistant for outdoor use.

SJTW - Hard Service cord. 300v thermoplastic outer jacket. Weather resistant for outdoor use.

SOW - Hard service cord. 600v rubber outer jacket. Weather resistant for outdoor use.

SPT-1 - Thermoplastic constructed, parallel jacketed. 300 volt 2 or 3 conductor, 18 gauge.

SPT-2 - Same as SPT-1 but heavier construction. 18-16 gauge.

SPT-3 - Same as SPT-2 but heavier construction. 18-10 gauge.

STW - Extra Hard Service cord. 600v thermoplastic outer jacket. Weather resistant for outdoor use.

SVT - Vacuum cleaner service cord. All plastic construction, 2 or 3 conductors.

Thermoplastic - A material that softens when heated and becomes firm on cooling.

Thermoset - A material that hardens or sets when heat is applied and that, once set, cannot be resoftened by heating. The application of heat is called "curing".

TPE - Abbreviation for thermoplastic elastomer. A compound used in Portable/flexible cords (SEOW, SJEOW).

Trip - Denotes automatic interruption by the GFCI of the electrical circuit to load.

Trip Time - The elapsed interval between the time when the ground fault current is first applied and the time when the circuit is interrupted.

UL - Abbreviation for Underwriters Laboratories, a non-profit independent organization that operates a listing service for electrical and electronic materials and equipment.

UL Listed - Indicates an item has been tested and approved to the safety standards established by Underwriters' Laboratories.

UL Recognized - Refers to products that have been tested and approved to the safety standards established by Underwriters' Laboratories & are typically used as components of a final assembly.

VRMS - Voltage (root mean square).

Voltage - The term most often used in place of electromotive force, potential, potential difference, or voltage drop to designate the electrical pressure that exists between two points and is capable of producing a current when a closed circuit is connected between two points.

Weatherproof - So constructed or protected that exposure to the weather will not interfere with successful operation. Rainproof, raintight, or watertight equipment can fulfill the requirements for weatherproof where varying weather conditions other than wetness, such as snow, ice dust, or temperature extremes, are not a factor.

Wet location - Installations underground or in concrete slabs or masonry in direct contact with the earth, and locations subject to saturation with water or other liquids, such as locations exposed to weather and unprotected.



Metal Gang Box Danger



The "traditional" metal gang box on the end of a cord has been a danger for many years.

There are several reasons for the danger:

- Metal boxes are designed for permanently wired installations, not portable temp power.
- No weatherproofing except for outdoor location FS types.
- HOT box danger. (See below)
- · Hand Hazard with sharp edges

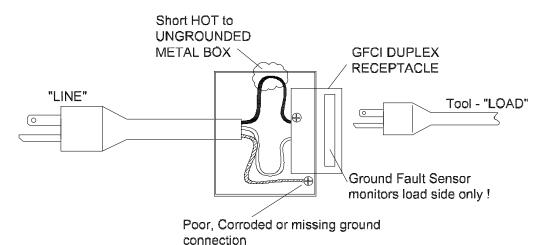


8000 Series



6102 Series

The GFCI False Sense of Security



As the diagram shows, the metal gang box can have a common situation in which the earth ground is poor or not connected. There can be a hot short to the metal box in which you now have a "hot" box. The short will not trip the circuit breaker nor will the GFCI trip. The GFCI sensor only watches the "load" side of the receptacle, not the line side. The GFCI is worthless in this situation.

Ericson's Industrial Wiring Device Innovations Revolutionized Electrical Safety

Sixty cents. That's what it would have cost in 1918 to purchase one of the first insulating Rubber Handles for one of your Extension Light, or Drop Lights as they were called in those days. The C & E Universal Safety Handle was molded of a heavy duty rubber compound and was designed for use with either keyed or keyless sockets to protect workers from electrical shocks and to add to the service life of the lights. Many lamp guards up to that point were made of wood which proved too fragile to withstand the many industrial uses to which they were put.

C & E was the forerunner of today's Ericson Manufacturing Co., founded by Edward O. Ericson. Ericson pioneered the development of a variety of important safety electrical devices.

Ericson devoted his attention to industrial applications. There was a great need for safe products for workers using electricity. Simple, molded rubber hand lamp handles (which he had patented in 1918) gave way to more sophisticated designs made of a variety of materials, each providing increasingly better electrical safety, durability and price advantages.

Ericson also pioneered in this area, and in 1927 introduced the first Insulated Hand Lamp Guards. The basic guard included a 1/16-in. thick electrolytically bonded insulation coating of the "toughest kind of rubber" that withstood dielectric tests of more than 4,000 volts. They provided a high degree of electrical safety and added to a lamp's service life under the roughest conditions.

Ericson's invention of the first "Dead-Front, Back-Wired" Electrical Plug in 1929 is perhaps the single most important development in the wiring device industry in the past seventy-plus years. U.S. Patent # 2,061,190 was assigned to it in 1936.

Older plugs and connectors had the wiring come through from the back. They were wired in the front end where the connections were visible and were susceptible to damage from moisture, dirt, tools, etc. (Fiber discs, and later plastic discs, were used to cover these wiring areas, but they often came off during use.) The Ericson "Dead-Front, Back-Wired" design placed the wiring connections at the rear of the plug with the front end closed off by a structural member of the device. The blades were held firmly and permanently in alignment.

There were no rivets to loosen or fiber to warp. Connections on the inside were protected. Cord grips kept tension off the terminals. Flexible shanks took the wear off the cord. They were easy to wire in the field. Newer variations are now even quicker and easier to wire: the stripped wires are inserted in holes, where simple screw tightening secures them in place.

Many products available today reach beyond being simple plugs or connectors. They are all, however, dead-front, back-wired devices. Our Perma-Tite® 2 Plugs and Connectors have unique features to protect the internals from moisture, dust and dirt. And covers using new, high tech materials resist chemicals, acids and oils to provide greater service life in extremely hazardous environments.







Plug into history: Before 1929 (top), plug connections were exposed. The first dead-front, back-wired plug created by Ericson (middle) revolutionized the industry, and eventually led to modern pluas (bottom) with such amenities as built-in ground and continuity monitors.

Ericson's Perma-Watch® Plugs and Connectors have built-in Ground and Continuity Monitor Devices to help workers determine at a glance whether their electrical power source's grounding system in safe. The GCM's have internal LED lamps that glow when the line has ground continuity. These devices also can help cut as much as 90% of the cost of maintaining OSHA required records for extension cord sets and temporary job site receptacles.

Ericson's dead-front, back-wired 1929 design is important: both the National Electrical Code and OSHA still require its use.



Topic	Regulation	Ericson Product						
General Wiring	1926.404(a)(2) Polarity of connections. No grounded conductor shall be attached to any terminal or lead so as to reverse designated polarity.	Plugs and						
Wiring Devices	be used for purposes other than grounding.							
	1926.404(b)(1)(i) General. The employer shall use either ground fault circuit interrupters as specified in paragraph (b)(1)(ii) of this section or an assured equipment grounding conductor program as specified in paragraph (b)(1)(iii) of this section to protect employees on construction sites. These requirements are in addition to any other requirements for equipment grounding conductors.							
Ground Fault Protection	1926.404(b)(1)(ii) Ground-fault circuit interrupters. All 120-volt, single-phase 15- and 20-ampere receptacle outlets on construction sites, which are not a part of the permanent wiring of the building or structure and which are in use by employees, shall have approved ground-fault circuit interrupters for personnel protection. Receptacles on a two-wire, single-phase portable or vehicle-mounted generator rated not more than 5kW, where the circuit conductors of the generator are insulated from the generator frame and all other grounded surfaces, need not be protected with ground-fault circuit interrupters.	GFCI						
	1926.404(b)(1)(iii) Assured equipment grounding conductor program. The employer shall establish and implement an assured equipment grounding conductor program on construction sites covering all cord sets, receptacles which are not a part of the building or structure, and equipment connected by cord and plug which are available for use or used by employees. This program shall comply with the following minimum requirements:							
	1926.404(b)(1)(iii)(A) A written description of the program, including the specific procedures adopted by the employer, shall be available at the jobsite for inspection and copying by the Assistant Secretary and any affected employee.							
	1926.404(b)(1)(iii)(B) The employer shall designate one or more competent persons (as defined in 1926.32(f)) to implement the program.	5						
	1926.404(b)(1)(iii)(C) Each cord set, attachment cap, plug and receptacle of cord sets, and any equipment connected by cord and plug, except cord sets and receptacles which are fixed and not exposed to damage, shall be visually inspected before each day's use for external defects, such as deformed or missing pins or insulation damage, and for indications of possible internal damage. Equipment found damaged or defective shall not be used until repaired.							
Assured	1926.404(b)(1)(iii)(D) The following tests shall be performed on all cord sets, receptacles which are not a part of the permanent wiring of the building or structure, and cord- and plug-connected equipment required to be grounded:							
Equipment Grounding	1926.404(b)(1)(iii)(D)(1) All equipment grounding conductors shall be tested for continuity and shall be electrically continuous.							
Conductor Program	1926.404(b)(1)(iii)(D)(2) Each receptacle and attachment cap or plug shall be tested for correct attachment of the equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.	Plugs/Connector						
	1926.404(b)(1)(iii)(E) All required tests shall be performed:							
	1926.404(b)(1)(iii)(E)(1) Before first use 1926.404(b)(1)(iii)(E)(2) Before equipment is returned to service following any repairs	-						
	1926.404(b)(1)(iii)(E)(3) Before equipment is used after any incident which can be reasonably suspected to have caused damage (for example, when a cord set is run over) and							
	1926.404(b)(1)(iii)(E)(4) At intervals not to exceed 3 months, except that cord sets and receptacles which are fixed and not exposed to damage shall be tested at intervals not exceeding 6 months.	t						
	1926.404(b)(1)(iii)(F) The employer shall not make available or permit the use by employees of any equipment which has not met the requirements of this paragraph (b)(1)(iii) of this section.							
	1926.404(b)(1)(iii)(G) Tests performed as required in this paragraph shall be recorded. This test record shall identify each receptacle, cord set, and cord- and plug-connected equipment that passed the test and shall indicate the last date it was tested or the interval for which it was tested. This record shall be kept by means of logs, color coding, or other effective means and shall be maintained until replaced by a more current record. The record shall be made available on the jobsite for inspection by the Assistant							

Topic	Regulation	Ericson Product
Electrical	1926.404(f)(2) Separately derived systems. Where paragraph (f)(1) of this section requires grounding of wiring systems whose power is derived from generator, transformer, or converter windings and has no direct electrical connection, including a solidly connected grounded circuit conductor, to supply conductors originating in another system, paragraph (f)(5) of this section shall also apply.	
Grounding Safety for Generator or	1926.404(f)(3)(iii) Neutral conductor bonding. A neutral conductor shall be bonded to the generator frame if the generator is a component of a separately derived system. No other conductor need be bonded to the generator frame.	
or Transformer Derived Power	1926.404(f)(5)(i) Grounded system. For a grounded system, a grounding electrode conductor shall be used to connect both the equipment grounding conductor and the grounded circuit conductor to the grounding electrode. Both the equipment grounding conductor and the grounding electrode conductor shall be connected to the grounded circuit conductor on the supply side of the service disconnecting means, or on the supply side of the system disconnecting means or overcurrent devices if the system is separately derived.	

Topic	Regulation	Ericson Product	
	1926.404(f)(7)(iv) Equipment connected by cord and plug. Under any of the conditions described in paragraphs (f)(7)(iv)(A) through (f)(7)(iv)(C) of this section, exposed non-current-carrying metal parts of cord- and plug-connected equipment which may become energized shall be grounded:	e-Cart™, Oscar® Series	
	1926.404(f)(7)(iv)(A) If in a hazardous (classified) location (see 1926.407).	Hazardous Location Lighting	
	1926.404(f)(7)(iv)(B) If operated at over 150 volts to ground, except for guarded motors and metal frames of electrically heated appliances if the appliance frames are permanently and effectively insulated from ground.		
Cord	1926.404(f)(7)(iv)(C)(1) Hand held motor-operated tools	Ericson Temporary Cordsets and Wiring	
Connected Equipment	1926.404(f)(7)(iv)(C)(2) Cord- and plug-connected equipment used in damp or wet locations or by employees standing on the ground or on metal floors or working inside of metal tanks or boilers	Devices	
	1926.404(f)(7)(iv)(C)(4) Tools likely to be used in wet and/or conductive locations		
	1926.404(f)(7)(iv)(C)(5) Portable hand lamps.	Ericson Temporary Lighting Products	
	1926.404(f)(7)(iv)(C)(6) Tools likely to be used in wet and/or conductive locations need not be grounded if supplied through an isolating transformer with an ungrounded secondary of not over 50 volts. Listed or labeled portable tools and appliances protected by a system of double insulation, or its equivalent, need not be grounded. If such a system is employed, the equipment shall be distinctively marked to indicate that the tool or appliance utilizes a system of double insulation.	Low Voltage Lighting Products	



Topic	Regulation	Ericson Product
Temporary Wiring	1926.405(a)(2)(i) Scope. The provisions of paragraph (a)(2) of this section apply to temporary electrical power and lighting wiring methods which may be of a class less than would be required for a permanent installation. Except as specifically modified in paragraph (a)(2) of this section, all other requirements of this subpart for permanent wiring shall apply to temporary wiring installations. Temporary wiring shall be removed immediately upon completion of construction or the purpose for which the wiring was installed.	Stringlights and Cordsets
	1926.405(a)(2)(ii)(B) Branch circuits shall originate in a power outlet or panelboard. Conductors shall be run as multiconductor cord or cable assemblies or open conductors, or shall be run in raceways. All conductors shall be protected by overcurrent devices at their ampacity. Runs of open conductors shall be located where the conductors will not be subject to physical damage, and the conductors shall be fastened at intervals not exceeding 10 feet (3.05 m). No branch-circuit conductors shall be laid on the floor. Each branch circuit that supplies receptacles or fixed equipment shall contain a separate equipment grounding conductor if the branch circuit is run as open conductors.	e-Cart™ and Oscar™ Series
	1926.405(a)(2)(ii)(C) Receptacles shall be of the grounding type. Unless installed in a complete metallic raceway, each branch circuit shall contain a separate equipment grounding conductor, and all receptacles shall be electrically connected to the grounding conductor. Receptacles for uses other than temporary lighting shall not be installed on branch circuits which supply temporary lighting. Receptacles shall not be connected to the same ungrounded conductor of multiwire circuits which supply temporary lighting.	e-Cart™ and Oscar® Series
	1926.405(a)(2)(ii)(D) Disconnecting switches or plug connectors shall be installed to permit the disconnection of all ungrounded conductors of each temporary circuit.	Ericson Wiring Devices
Lamp Guards on All Lighting	1926.405(a)(2)(ii)(E) All lamps for general illumination shall be protected from accidental contact or breakage. Metal-case sockets shall be grounded.	Ericson Lamp Guards
Temporary Lighting Mounting	1926.405(a)(2)(ii)(F) Temporary lights shall not be suspended by their electric cords unless cords and lights are designed for this means of suspension.	Stringlights
Low Voltage Lighting	1926.405(a)(2)(ii)(G) Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter.	Low Voltage Lighting
Cord Protection	1926.405(a)(2)(ii)(l) Flexible cords and cables shall be protected from damage. Sharp corners and projections shall be avoided. Flexible cords and cables may pass through doorways or other pinch points, if protection is provided to avoid damage.	CP5-36 Cable Protectors
Flexible Cords	1926.405(a)(2)(ii)(J) Extension cord sets used with portable electric tools and appliances shall be of three-wire type and shall be designed for hard or extra-hard usage. Flexible cords used with temporary and portable lights shall be designed for hard or extra-hard usage.	Ericson Temporary Cordsets
i lexible colus	1926.405(g)(2)(iv) Strain relief. Flexible cords shall be connected to devices and fittings so that strain relief is provided which will prevent pull from being directly transmitted to joints or terminal screws.	6000, 7000 and 8000 Series Boxes and Covers

Topic	Regulation	Ericson Product					
Portable Lighting	1926.405(j)(1)(iii) Portable lamps. Portable lamps shall be wired with flexible cord an an attachment plug of the polarized or grounding type. If the portable lamp uses an Edison-based lampholder, the grounded conductor shall be identified and attached the screw shell and the identified blade of the attachment plug. In addition, portable handlamps shall comply with the following: 1926.405(j)(1)(iii)(B) Handlamps shall be equipped with a handle of molded composition other insulating material 1926.405(j)(1)(iii)(C) Handlamps shall be equipped with a substantial guard attache to the lampholder or handle 1926.405(j)(1)(iii)(D) Metallic guards shall be grounded by the means of an equipme grounding conductor run within the power supply cord. 1926.405(j)(1)(iv) Lampholders. Lampholders of the screw-shell type shall be installed for use as lampholders only. Lampholders installed in wet or damp locations shall be the weatherproof type.						
Handlama	1926.405(j)(1)(iii)(B) Handlamps shall be equipped with a handle of molded composition or other insulating material						
напишатрѕ	1926.405(j)(1)(iii)(C) Handlamps shall be equipped with a substantial guard attached to the lampholder or handle						
Metal Guards on Stringlights	1926.405(j)(1)(iii)(D) Metallic guards shall be grounded by the means of an equipment grounding conductor run within the power supply cord.	Ericson Lighting					
Weather Proof Lampholders	1926.405(j)(1)(iv) Lampholders. Lampholders of the screw-shell type shall be installed for use as lampholders only. Lampholders installed in wet or damp locations shall be of the weatherproof type.	Products					
Lighting Fixtures in Wet Locations	ng Fixtures in for the purpose and shall be installed so that water cannot enter or accumulate in						
1926.405(j)(2)(i) Configuration. Receptacles, cord connectors, and attachment plugs shall be constructed so that no receptacle or cord connector will accept an attachment plug with a different voltage or current rating than that for which the device is intended. However, a 20-ampere T-slot receptacle or cord connector may accept a 15-ampere attachment plug of the same voltage rating. Receptacles connected to circuits having different voltages, frequencies, or types of current (ac or dc) on the same premises shall be of such design that the attachment plugs used on these circuits are not interchangeable.		Ericson Wiring Devices					
Wet Locations for Receptacles	1926.405(j)(2)(ii) Damp and wet locations. A receptacle installed in a wet or damp location shall be designed for the location.	FS Flip Covers					

1926.56(a)

General. Construction areas, ramps, runways, corridors, offices, shops, and storage areas shall be lighted to not less than the minimum illumination intensities listed in Table D-3 while any work is in progress:

TABLE D-3 - MINIMUM ILLUMINATION INTENSITIES IN FOOT-CANDLES

Foot-Ca	ndles	Area of Op	peration			
		onstruction ar	5 5	placamont		
3 	excavation storage a	onstruction ar on and waste a areas, loading p ntenance area	areas, access v platforms, refu	vays, active		
5		varehouses, co		ays, and		
5 	(Exception at tunner mucking	hafts, and gen on: minimum o I and shaft hea I, and scaling. B all be acceptak	of 10 foot-can ading during of Bureau of Min	dles is require drilling, es approved c	d	
10	plants, so electrica rigging l	construction p creening plants I equipment ro ofts and active oor toilets and	s, mechanical ooms, carpent e store rooms,	and er shops,		
30	First aid	stations, infirm	naries, and offi	ices.		



Do's

- Use enough lighting to comply to Table D-3 OSHA
- Use proper bulb protection per the mfg instructions
- Use 3 wire grounded stringlights with metal bulb guards
- Use MH fixtures properly and not too close to workers
- Use proper lighting fixtures for the environment intended
- Use proper stairwell lighting even during construction

Don'ts

- Operate sites with poor lighting –leads to accidents
- Hang stringlights by the cord only use mounting tabs
- Use 2 wire stringlights with metal guards guard must be grounded
- Use MH fixtures with cracked or partial broken bulb UV A & B can get out
- Use non-hazardous lighting in classified locations
- Use permanent light fixtures in temporary applications

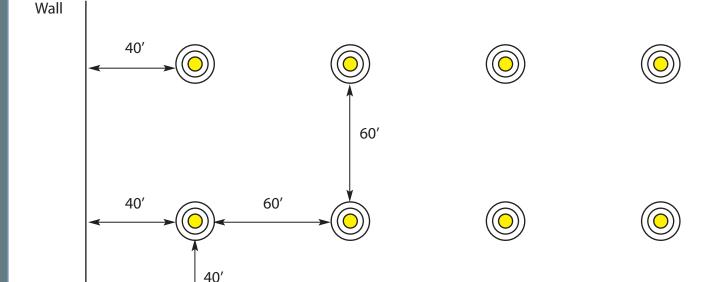
Baylite™ Layout (shown from top)

Note: This layout is typical to ensure minimum OSHA lighting standards, however many variables effect this layout. Use this as a general guide but Ericson makes no absolute claim to compliance.



Circuit Load (20A)

120V = 5 units 240V = 10 units 208V = 12 units 277V = 15 units



Wall

OSHA Regulations

Торіс	Regulation	Ericson Product
Lamp Guards on All Lighting	1926.405(a)(2)(ii)(E) All lamps for general illumination shall be protected from accidental contact or breakage. Metal-case sockets shall be grounded.	Ericson Lamp Guards
Temporary Lighting Mounting	1926.405(a)(2)(ii)(F) Temporary lights shall not be suspended by their electric cords unless cords and lights are designed for this means of suspension.	Stringlights
Low Voltage Lighting	1926.405(a)(2)(ii)(G) Portable electric lighting used in wet and/or other conductive locations, as for example, drums, tanks, and vessels, shall be operated at 12 volts or less. However, 120-volt lights may be used if protected by a ground-fault circuit interrupter.	Low Voltage Lighting
Cord Protection	1926.405(a)(2)(ii)(l) Flexible cords and cables shall be protected from damage. Sharp corners and projections shall be avoided. Flexible cords and cables may pass through doorways or other pinch points, if protection is provided to avoid damage.	CP5-36 Cable Protectors
Flexible Cords	1926.405(a)(2)(ii)(J) Extension cord sets used with portable electric tools and appliances shall be of three-wire type and shall be designed for hard or extra-hard usage. Flexible cords used with temporary and portable lights shall be designed for hard or extra-hard usage.	Ericson Temporary Cordsets
riexible Cords	1926.405(g)(2)(iv) Strain relief. Flexible cords shall be connected to devices and fittings so that strain relief is provided which will prevent pull from being directly transmitted to joints or terminal screws.	6000, 7000 and 8000 Series Boxes and Covers



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