The Snake Tray Advantage!

CABLE MANAGEMENT & POWER DISTRIBUTION

20 YEARS
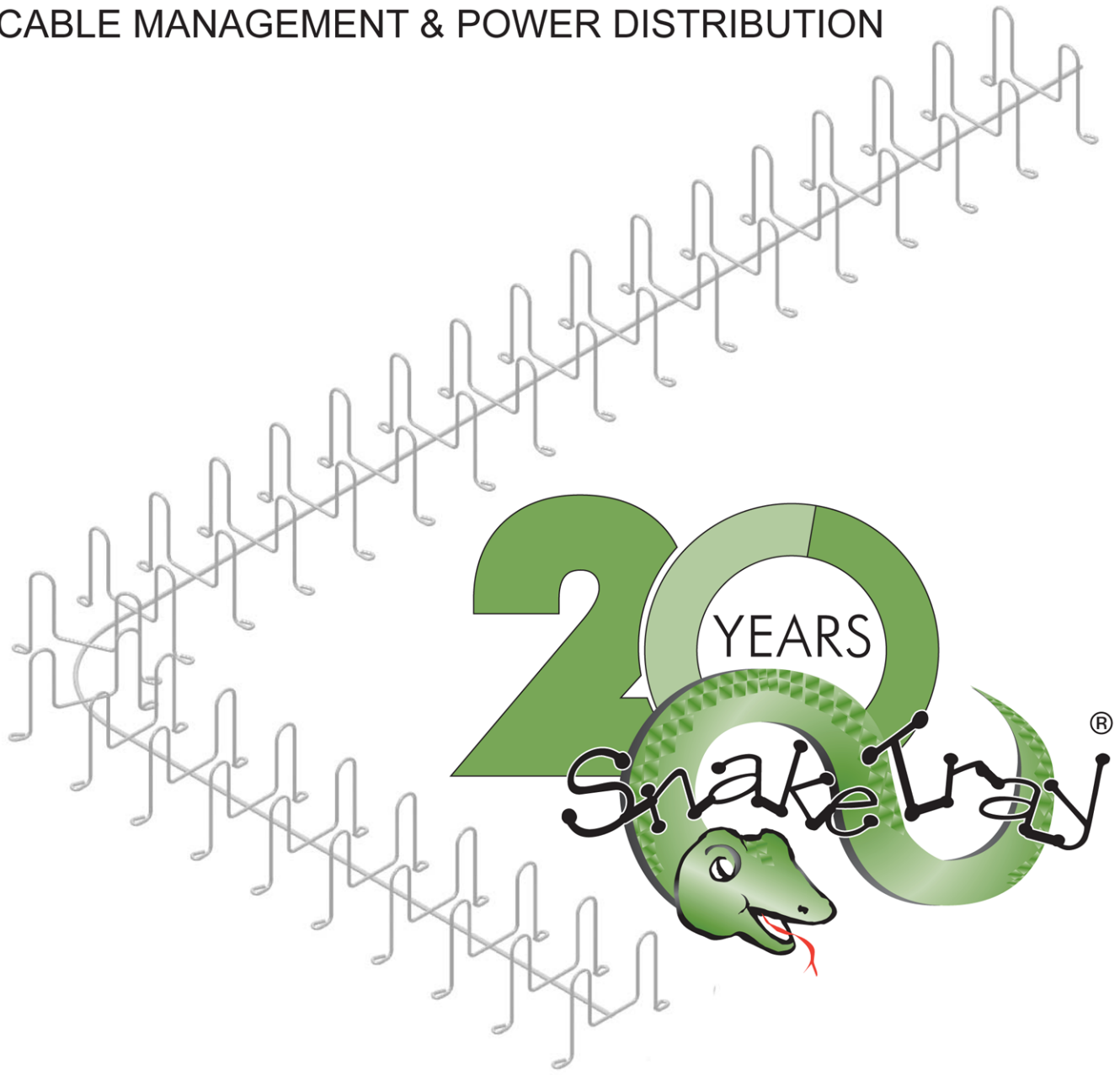
SnakeTray®

Customer List

The following companies and organizations are just a few who have made a commitment to superior cable management and power distribution with Snake Tray systems.

A.G. Edwards
ABC TV
Aer Lingus
Amazon.com
American Airlines
Amica Insurance
Barclays Bank
Bank of America
Bloomberg
Boeing
Bookspan
BP
Caterpillar
CIA
CitiBank
Chicago Transit Authority
Coca Cola
Columbia Gas
Con Edison

CS First Boston
CVS
Department of Homeland Security
Deutsche Bank
Direct TV
Disney
Duquesne Power & Light
Ebay.com
EDS
Edward Jones
EMC
Enterprise Rent-A-Car
ESPN
eSurance
Exxon
FAA
First Solar
FBI
Fox News

Federal Reserve Bank
Ford Motor Company
General Dynamics
Harvard University
Honda
HBO
IBM
Intel Corp.
Key Bank
Keyes European Solar
Jane Street Capital
Johns Hopkins University
J.P. Morgan Chase
K-Mart
Lever Brothers
Lockheed Martin
London Tube
Metropolitan Transit Authority
MasterCard
Massachusetts Bay Transit Authority
McDonalds Corporation
McGraw Hill
Merck
Merrill Lynch
Met Life
Montefiore Medical Center
Motorola
NASA
National Library of Medicine
New Jersey Transit
New York Stock Exchange
North Dakota State University

NY City Fire Department
O'Hare Intl. Airport
PAYCHEX
PepsiCo
Pfizer
Pharmacia & Upjohn Co.

Philip Morris
PSE&G
Puget Sound Naval Shipyard
Quest Diagnostics
Raytheon
Reuters
SAIC
Siemens
Solar Speed Rack
Southwestern Bell
Sprint
Staples
State of North Carolina
State of Tennessee
State University of New York
Strata Solar
Sun Power
Target
Teachers Insurance Union
The Gap
The Kennedy Center
Toronto Transit
Tosco Refining
Travelocity
Union Pacific
United Health Group
United Nations
University of Maryland Children's Hospital
United Renewable Energy
UPS
US Air Force
US Army
US Coast Guard
US Department of State
US Marines
US Navy
US Postal Service
Vanderbilt University
Vanguard Solar
Verizon
Wells Fargo
World Trade Center
Yale University

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About Us

Snake Tray has been innovating cable management and power distribution solutions since 1996. Our goal is to provide our customers with cost effective solutions that help reduce the total cost of construction. **Snake Tray, Snake Canyon, MC Snake Tray** and **Mega Snake** cable management products are preconfigured or hand bendable which will eliminate the need for field fabrication, and are designed with built-in mounting systems to minimize additional hardware. With a unique stackable nesting feature, these products offer lower material handling and shipping costs. Snake Tray is pleased to announce that we now manufacture both Aluminum and Steel Cable Trays to offer our customers the complete product range of cable management systems. We have also expanded our operations to include a state of the art powder coating facility to serve our customers' demands for specialized finishes.

Solar Snake Tray and **Rail Snake** products are specifically designed for solar and rail/transit/tunnel applications. With hundreds of miles of cable trays installed these products offer the same benefits as our original products, saving our customers money on time and materials. The Snake Bus power distribution system eliminates the need to hard wire equipment and is completely removable, reusable and green. By providing instant feedback on electrical loads, facility managers now can monitor the buildings electrical use with our new current monitoring system. We also design and manufacture a series of data and power enclosures called **Snake Box** for workstations, call centers and data centers, and a new series of enclosures and cable management specifically for **PON (Passive Optical Networks). Snake Tray Custom Solutions** services offer engineers the opportunity to have custom solutions designed and built in our factory to solve any challenge in cable management or power distribution.

Snake Tray products are stocked throughout the US to guarantee no delays to our customers. Our 24-hour technical support gives our customers the opportunity to speak with us at anytime to discuss their projects needs. We welcome the opportunity to help design innovative solutions to make the project install faster. In fact, we are known to design a solution for a customer and have the product built within a day.

We are honored to be a US manufacturer located in Bay Shore, New York. Our high-tech factory stands ready to handle any size job. We are also the first in our industry to embrace renewable energy resources by powering our factory with our very own rooftop solar array. **Snake Tray** continues to automate and streamline our manufacturing techniques to produce high quality products while practicing the green principles of reducing waste, saving energy and utilizing resources wisely.

Snake Tray is extremely proud to be celebrating our 20th Anniversary and to have been a part of so many great projects. We feel privileged to work every day with engineers, architects, contractors, distributors and end users in a vast array of industries in the USA and throughout the world. We look forward to continuing to serve our customers with products and solutions that offer cost effective and time saving benefits. Thank you for your business. We look forward to working with you on your next project!

Roger Jette
President & Founder
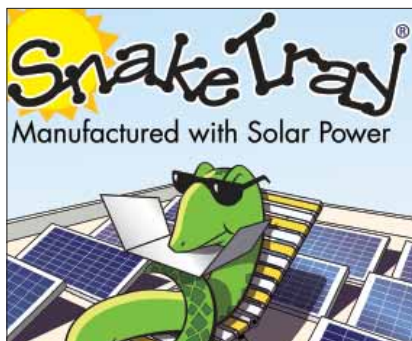
Snake Tray®
is Green
and Proudly
Powered by
the Sun!

Snake Tray is committed to designing and manufacturing products that have many green benefits. Our products are made of recycled goods, minimize material waste, are energy efficient, use less non-renewable resources and nest together to lower the cost of material handling and shipping.

As a company, Snake Tray is committed to manufacturing our products in a way that minimizes impact on the environment. We are proud to say we are the first in our industry to manufacture utilizing solar power from our own roof top solar array! We have streamlined our manufacturing methods and our building to adopt greener practices including reducing waste, saving energy, and utilizing resources wisely.

We are active members of the US Green Building Council and stand ready to help building owners, architects and design engineers reach their sustainable building goals.

Snake Tray®
Cable Management
Systems

- **Made of recycled steel**
  Our products are made of 100% recycled steel.

- **No material waste**
  Our products require no fabrication so no waste material is created. Our systems also use less hardware and accessories to install.

- **Compact shipping and packaging**
  Our products nest together for compact shipping. We use less packaging materials and require less material handling, which also reduces energy used in transportation of goods.

- **US manufactured with distribution centers throughout the US**
  Our products use less transportation to reach the building site.

- **Reusable and reclaimable**
  Our products can be reused and are made of 100% reclaimable products.

Snake Bus® Power Distribution

- **Consumes Less Copper Resource**
  Snake Bus consumes approximately 30% less of the earth's copper resource than all other methods.

- **Made of Recycled Products**
  Snake Bus is made of 75% recycled products.

- **Re-Usable and Reclaimable**
  Snake Bus can be moved and reused. Snake Bus is made of 99% reclaimable products.

- **Energy Efficient**
  Snake Bus' unique bus bar technology experiences less voltage drop versus traditional copper wire thus reducing energy consumption.

- **No Material Waste**
  System requires no use of pipe and wire, no vertical cabling and eliminates abandoned cable, minimizing landfill additions.

Snake Tray®

No cutting. No clipping. No kidding!

With Snake Tray the only thing you will ever cut is your construction costs!

Snake Tray's patented hand bendable design allows installers to create turns in 10 seconds versus 20 minutes with wire mesh cable tray. Our hand bendable design combined with Snake Tray's built-in mounting hardware gives Snake Tray the installation cost saving advantage over any other cable tray system in today's market!

Just Bend It
• Faster, easier installation with no field fabrication
• No additional parts or tools to buy
• No sharp edges to injure the installer or cable (NEC compliant)

Built-in Mounting/Hanging Hardware
• Reduces cost, no special hardware required
• Quicker to install

Single Connection
• Connect trays in just 15 seconds with a single connector bolt
• One connection creates mechanical/electrical bond and creates a high frequency drain

Hangs from a Single Point
• No strut or trapeze required
• Less labor used

Trays Nest Together
• Lower freight costs
• Less material handling

Open Architecture
• Drop-in cable loading

Superior Finishes
• Snake Tray's unique mechanically applied galvanizing process eliminates the growth of zinc whiskers.
   For details see Product Overview on pages 92-95.
• Stainless Steel and Powder Coating also available for all trays.

Quality and Service
• Snake Tray ships from inventory the day it is ordered
• Customer service available 24 hours
• UL and cUL listed (Cable, conduit hardware) for its weight carrying capacity
• EIA/TIA, NEC and NEMA compliant
• Made in the US

Call the Snake Tray engineering team to assist you with the creation of cable management or power distribution designs, drawing sets, bill of materials, submittals, BIM and Revit® support.
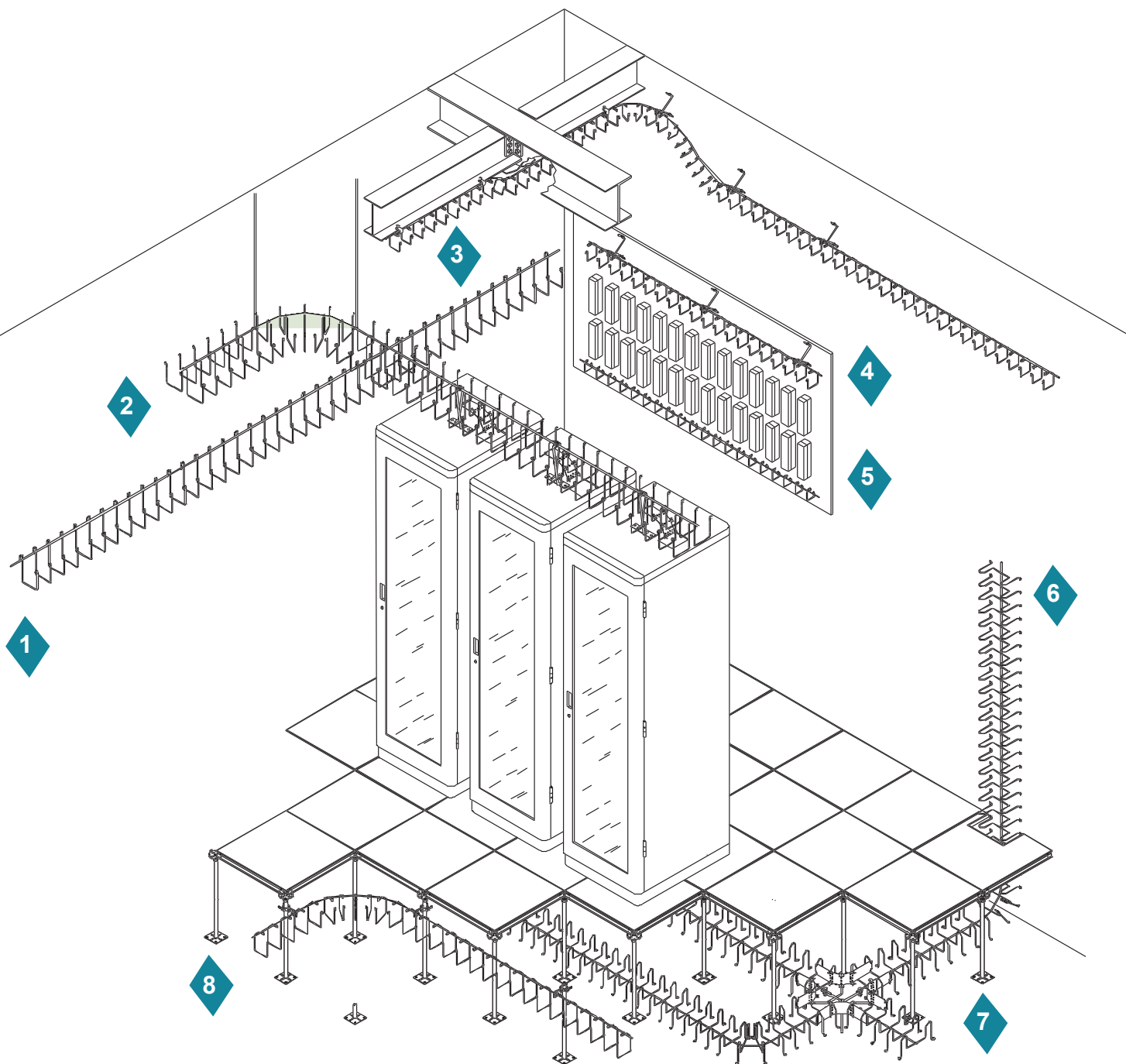
1 — 501 Wall Snake Tray instantly installs to the wall without brackets.

2 — 201 Snake Tray double pocket design instantly bends around obstacles and quickly suspends from threaded rod.

3 — 201 Snake Tray single pocket attaches to the building with a simple beam clamp.

4 — 201 Snake Tray with a wall bracket can transition from the wall and then be suspended from overhead.

5 — 401 Snake Race mini cable manager with built-in mounting rings.

6 — 101 Snake Tray easily transitions from under floor to the wall as a riser.

7 — 101 Snake Tray under floor cable tray bends around obstacles and stands on its built-in mounting foot rings.

8 — 201 Snake Tray easily mounts to the floor pedestal and bends around obstacles under the floor.

101 Series Snake Tray®

The 101 series Snake Tray is designed for installation below a raised floor and as a riser along vertical surfaces. Available in several sizes, the 101 series tray can accommodate up to 84 square inches of cable path or 860 data cables. Support legs and mounting rings are pre-formed into the tray and require no additional brackets to install. Custom sizes available.

	Part Number	Physical Dimensions	Loading Dimensions		Physical Volume	Cable Capacity	Weight	Finish
		Height/Length/Width	Depth	Width				
3 ½" / 3"	CM 101-3-8	5" x 8' x 7 ¼"	3 ½"	3"	10 ½ si	80	6 ½ #	G/SS/PC
3 ½" / 6"	CM 101-6-8	5" x 8' x 10 ¼"	3 ½"	6"	21 si	215	7 ½ #	G/SS/PC
2 ½" / 12"	CM 101-12-8LS	3 ½" x 8' x 17"	2 ½"	12"	27 si	280	8 #	G/SS/PC
4" / 12"	CM 101-4-12-8-R6	11 ½" x 8' x 17"	4"	12"	48 si	480	11 ½ #	G/SS/PC
3 ½" / 12"	CM 101-12-8	5" x 8' x 17"	3 ½"	12"	42 si	430	8 ½ #	G/SS/PC
4" / 18"	CM 101-18-8	5 ½" x 8' x 23"	4"	18"	72 si	740	11 ½ #	G/SS/PC
4" / 21"	CM 101-4-21-8-R6	11 ½" x 8' x 26"	4"	21"	84 si	860	15 #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM | PRODUCT OVERVIEW ON PAGES 92-95

101 Series Snake Tray® Accessories

101 Series Snake Tray® Intersections

CM 0303 - (4) CM 101-3-8
CM 0306 - (2) CM 101-3-8 and (2) CM 101-6-8
CM 0312 - (2) CM 101-3-8 and (2) CM 101-12-8/LS
CM 0606 - (4) CM 101-6-8
CM 0612 - (2) CM 101-6-8 and (2) CM 101-12-8/LS

Tray configurations for the 101 Intersection components

CM 1212 - (4) CM 101-12-8/LS
CM 1818 - (4) CM 101-18-8/LS

OTHER CONFIGURATIONS AVAILABLE
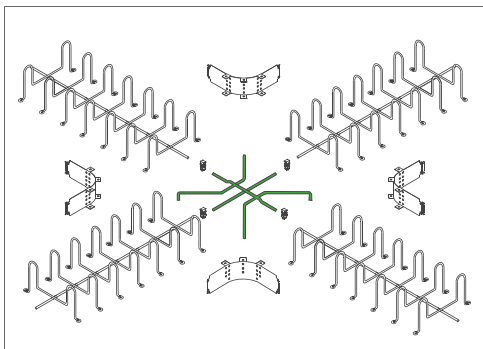
Part Number	Size
CM 0303	8" x 8"
CM 0306	8" x 11"
CM 0312	8" x 17"
CM 0606	11" x 11"
CM 0612	11" x 17"
CM 1212	17" x 17"
CM 1818	23" x 23"
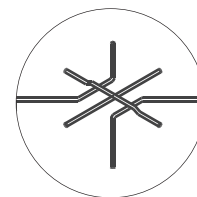
Allows for the construction of both "T" and 4-way crossing intersections when using the 101 series trays.
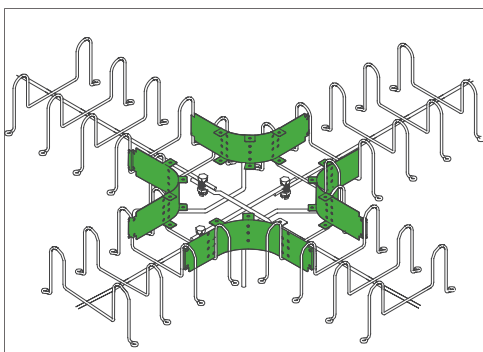
Turning Fence

Part Number
TF-101/ TF-101LS
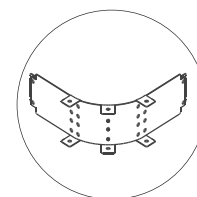
Used when creating 101 series tray horizontal intersections. Creates a consistent smooth transition surface.

Universal Tray Connector Bolt
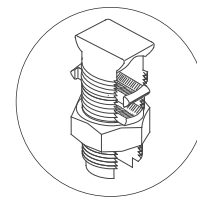
Part Number
CB-10

Provides both a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-10 required per connection.
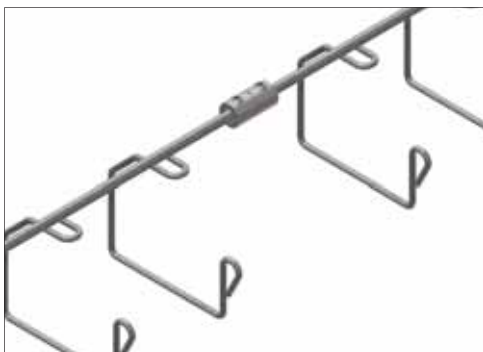
Universal Inline Connector Bolt

Part Number
CB-12
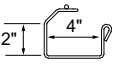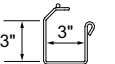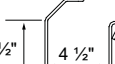
Provides a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-12 required per connection.

201 Series Snake Tray®

The 201 series single pocket Snake Tray is utilized both below raised floors and overhead either mounted to walls or suspended from the ceiling. Available in four sizes, the tray can accommodate up to 24 square inches of cable path, equal to a 12" generic basket or ladder type tray. Snake Eyes (mounting rings) are located along the center spine, allowing easy attachment of threaded rod for suspended applications.

	Part Number	Physical Dimensions	Loading Dimensions		Physical Volume	Cable Capacity	Wt	Finish
		Height/Length/Width	Depth	Width				
2" 4"	CM 201-24-8	3" x 8' x 5"	2"	4"	8 si	82	4 ½ #	G/SS/PC
3" 3"	CM 201-3-8	4 ⁷⁄₈" x 8' x 4"	3"	3"	9 si	92	5 #	G/SS/PC
4 ½" 4 ½"	CM 201-425-8	6 ¼"x 8' x 5 ¼"	4 ¼"	4 ¼"	18 si	185	5 ½ #	G/SS/PC
4" 6"	CM 201-6-8	6 ¾" x 8' x 7"	4"	6"	24 si	250	6 ½ #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC),
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

201 Series Double Snake Tray®

The Double Snake with its double pocket design provides a natural separation for both voice/data cables and fiber. Accommodating up to 50 square inches of cable path Double Snake can manage over 500 voice/data cables both below raised floors or overhead either mounted to walls or suspended from the ceiling. Snake Eyes (mounting rings) are located along the center spine, allowing easy attachment of threaded rod for suspended applications.

	Part Number	Physical Dimensions Height/Length/Width	Loading Dimensions Depth	Loading Dimensions Width	Physical Volume	Cable Capacity	Wt	Finish
4 ½" 4 ¼" 4 ¼"	CM 201-425D-8	7 ¼" x 8' x 11 ½ "	4 ¼"	4 ¼"	36 si	370	8 ½ #	G/SS/PC
5" 5" 5"	CM 201-5D-8	8 ¾" x 8' x 13 ¾"	5"	5"	50 si	510	11 #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM | PRODUCT OVERVIEW ON PAGES 92-95

201 Snake Tray® Intersections

Double Snake Tray Intersection
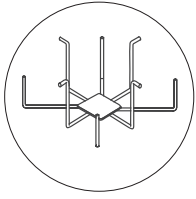
Part Number	Size
CM 425D	12" x 12"
CM 5D	14" x 14"

Installed as either a "T" or 4-way crossing intersection component for the Double Snake 201 series tray.
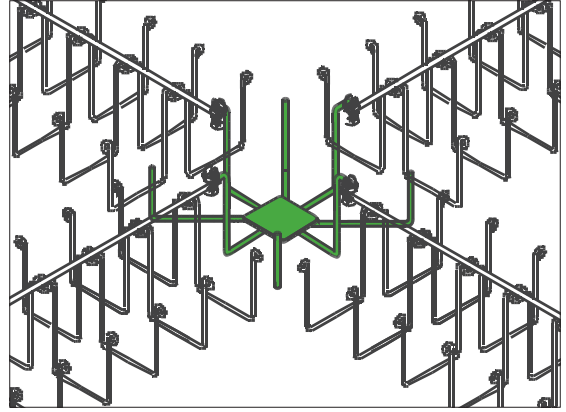
Intersection/"T" for Double Snake Tray with Single Snake Cross
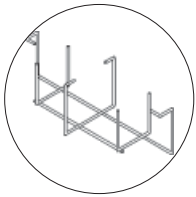
Part Number	Size
CM 425D/425	7 ½" x 20"

Installed as either a "T" or 4-way crossing intersection component for a Double Snake and a Single Snake crossing.
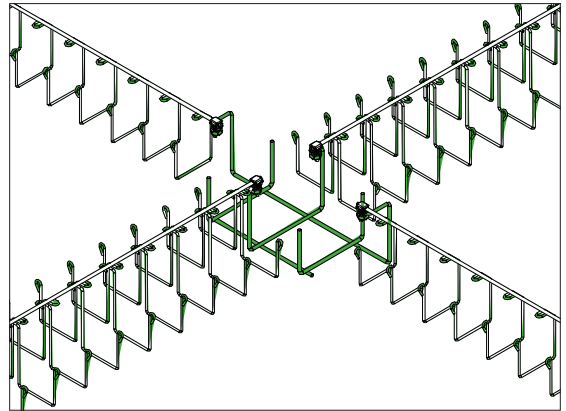
Y Connection
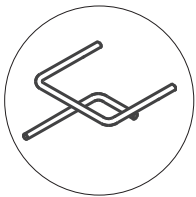
Part Number	Size
CM 201-Y	5" x 6"

Used to create a Y intersection or split Double Snake into two (2) separate cable paths at a terminal end.
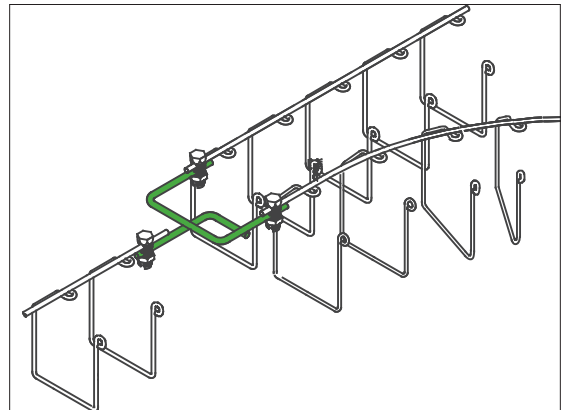
201 to 501 Series Connection Adapter
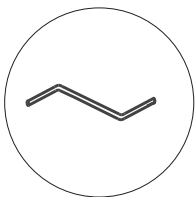
Part Number	Size
CM 201/501T	5 ¼" x 5 ¼"

Used to adapt 201 series to 501 series trays.
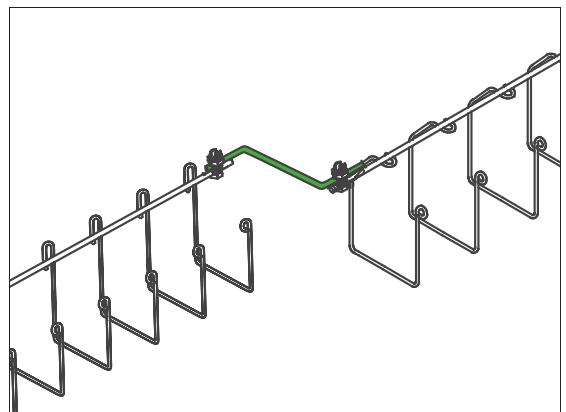
201 Snake Tray® Intersections & Accessories
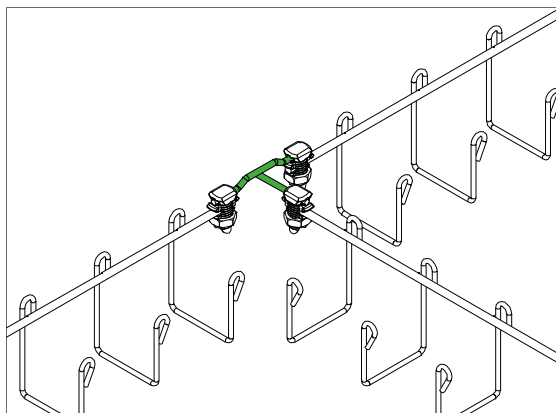
Universal 201/501 Series Intersection

Part Number	Size
CM 0303T	5 ½" x 5 ½"

Installed as "T" component for the Snake 201 and 501 series trays.
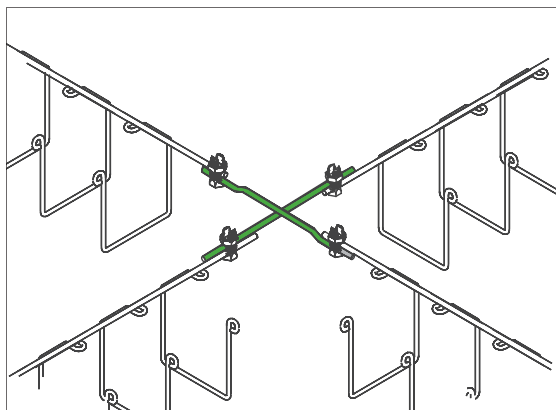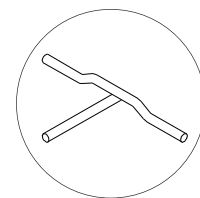
Universal 201 Series Intersection

Part Number	Size
CM 0303H	5 ½" x 5 ½"

Installed as 4-way crossing intersection component for the 201 Snake Tray Series.
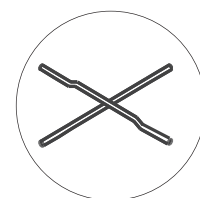
Universal Tray Connector Bolt

Part Number
CB-10

Provides both a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-10 required per connection.
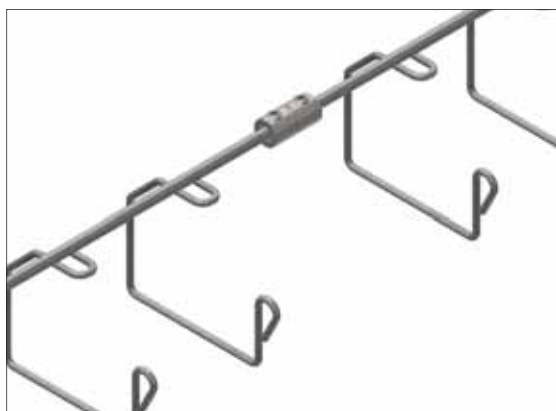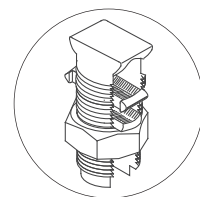
Universal Inline Connector Bolt

Part Number
CB-12

Provides a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-12 required per connection.

201 Snake Tray® Accessories & Mounting Accessories

Cable Drop-Out Waterfall
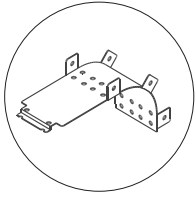
Part Number	Size
TO-2	2" W
TO-3	3" W
TO-425	4 ¼" W
TO-5	5" W
TO-6	6" W

Provides a smooth transition for cables when exiting the tray. Maintains a consistent 4" radius eliminating kinked cables. Easily attaches to tray with cable ties.
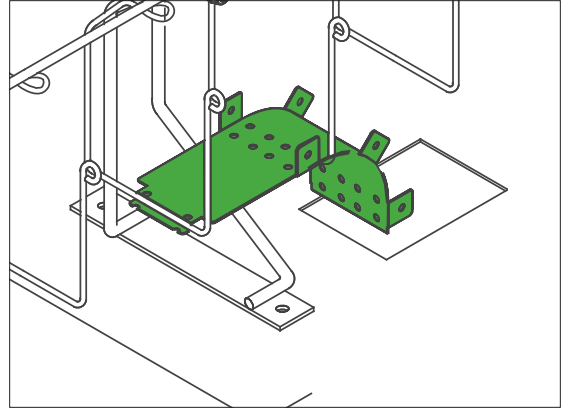
Beam Clamp for ³/₈" Threaded Rod
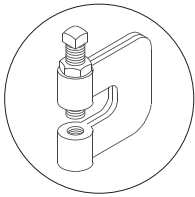
Part Number
BC-201-A

Used to attach 3/8"-16 threaded rod to a beam.
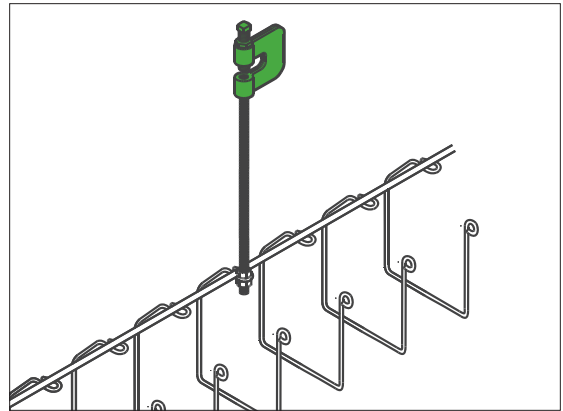
Pedestal Mount Bracket for 201 Series
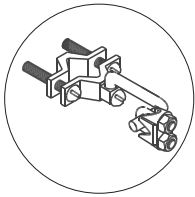
Part Number
ST-201

Used to attach single pocket 201 series Snake Tray to the floor pedestals utilized in the construction of raised access floors.
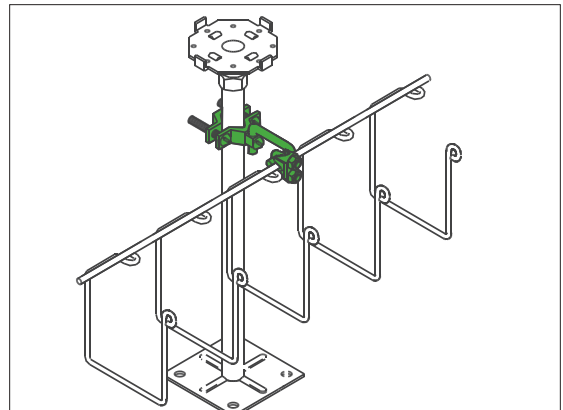
Pedestal Mount Bracket for 201 Series Double
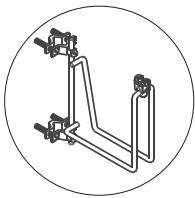
Part Number
ST-201-D
ST-201-5D

Used to attach double pocket 201 series Double Snake to the floor pedestals utilized in the construction of raised access floors.
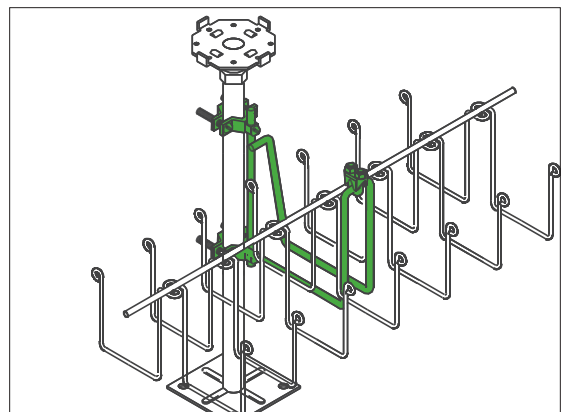
201 Snake Tray® Mounting Accessories
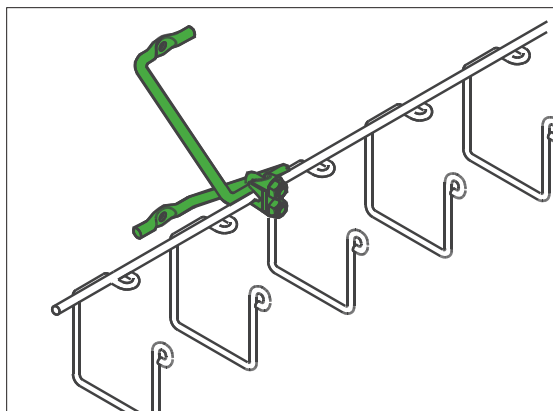
Wall Mount Bracket for 201 Series Single

Part Number
WBN-201

Used to attach single pocket 201 series Snake Tray to walls and other vertical surfaces. Clamp to attach to tray included.
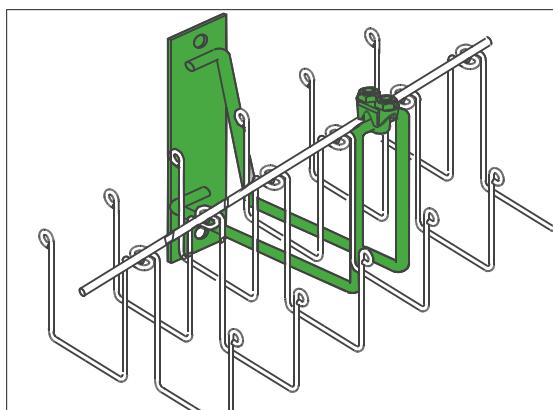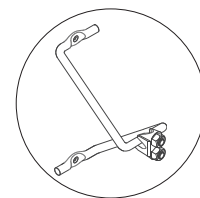
Wall Mount Bracket for 201 Series Double

Part Number
WBN-201D
WBN-2015D

Used to attach double pocket 201 series Double Snake to walls and other vertical surfaces. Clamp to attach to tray included.
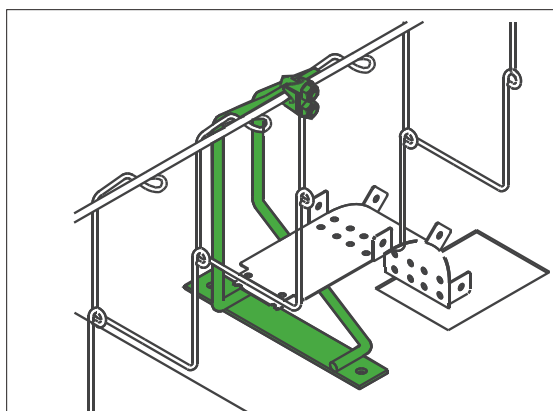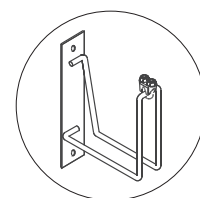
Cabinet Mount Bracket for 201 Series Single

Part Number
CBN-201
CBN-201-90

Used to attach single pocket 201 series Snake Tray to the tops of equipment cabinets. Clamp to attach to tray included.
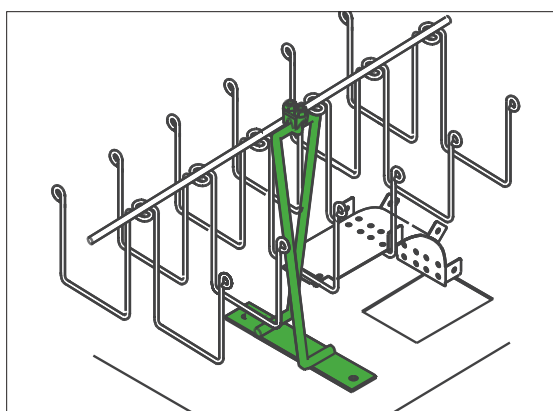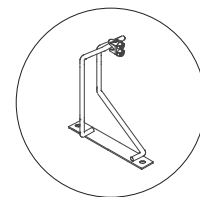
Cabinet Mount Bracket for 201 Series Double

Part Number
CBN-201D
CBN-2015D

Used to mount double pocket 201 series Double Snake to the tops of equipment cabinets. Clamp to attach to tray included.
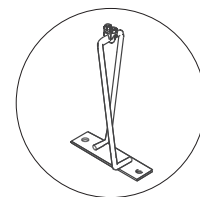
201 Snake Tray® Mounting Accessories │Hardware

Rack Mount Bracket for 201 Series
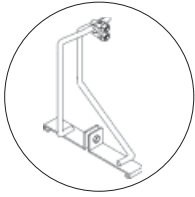
Part Number
RBN-201
RBN-201-90

Used to mount single pocket 201 series Snake Tray to the tops of standard equipment racks via a built-in clamping feature. No additional hardware required. RBN-201-90 mounts to the tray perpendicularly. Clamp to attach to tray included.
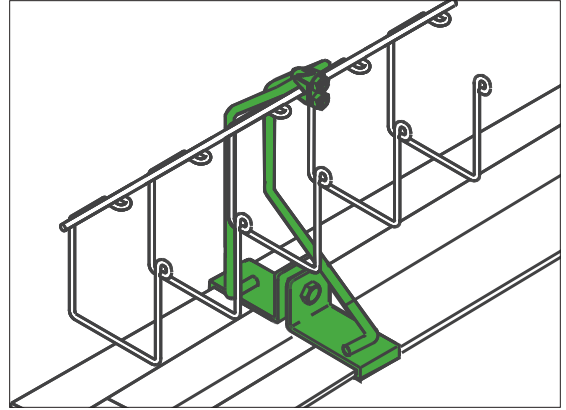
Rack Mount Bracket for 201 Series Double
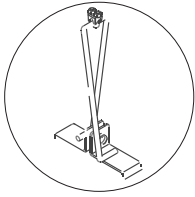
Part Number
RBN-201 D

Used to mount double pocket 201 series Double Snake to the tops of standard racks via a built-in clamping feature. No additional hardware required. Clamp to attach to tray included.
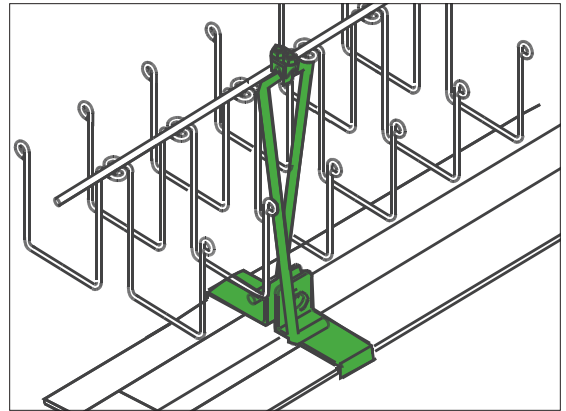
Seismic Bracing Kits with Crimp Tool & Cutter

Part Number	Description
CM 201/801-SBK1-07	Kit for Anchoring Snake Tray and Mega Snake in Concrete Ceilings
CM 201/801-SBK-J-07	Kit for Anchoring Snake Tray and Mega Snake around Joists
CM 201/801-SBK-L-07	Kit for Anchoring Snake Tray and Mega Snake with Lag Bolts into Wood Beams
CM 201/801-SB-CT	Crimp Tool
CM 201/801-SB-CU	Cutter

Threaded Rod

Part Number	Description
TR-1	$3/8$" x 12" Threaded Rod
TR-2	$3/8$" x 24" Threaded Rod
TR-3	$3/8$" x 36" Threaded Rod
TR-4	$3/8$" x 48" Threaded Rod
TR-6	$3/8$" x 72" Threaded Rod
TR-8	$3/8$" x 96" Threaded Rod

Pre-cut and pre-chased threaded rod for overhead tray installations. All rods are 3/8"-16 10/24 high strength steel as per ASTM A36 and available in 1', 2', 3', 4' 6', and 8' lengths. Rods are inserted through the patented Snake Eyes and secured with two 3/8" hex nuts and one flat washer. No additional mounting accessories are necessary.
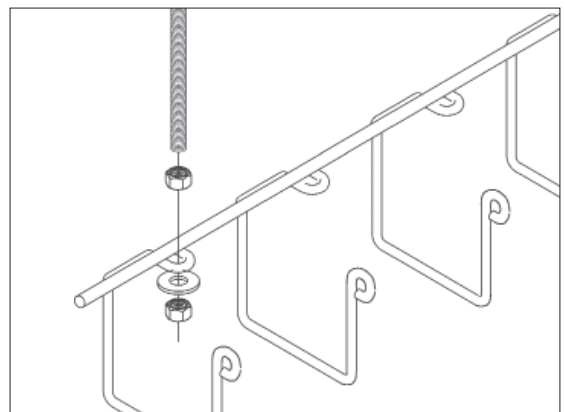
Hardware

Concrete Wedge Anchor

Part Number
CM WA-XX

XX DENOTES SIZE

• Anchor diameter equals hole diameter
• Comes complete with nuts and washers ready for use
• Collar expander offers 360° contact with masonry
• Projections on collar immediately grip concrete

Concrete Anchor

Part Number
CM CA-38

Stud type anchor design allows easy through-type fastenings and can be set in bottomless hole. Pre-assembled anchor ensures easy and fast installation. Anchor size is same as drill bit size for easy installation. Comprehensive testing to ensure high performance in block, masonry and concrete base materials. Bulged middle section with round and diamond shaped openings prevents the anchors from spinning in the hole or dropping out when setting it overhead. Anchors 101 and 407 series of any applications with a 1/4" hole.

Hanger Bracket for Threaded Rod Suspension

Part Number
CM TR-HBS for Steel
CM TR-HBC for Concrete
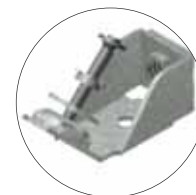
Hanger bracket for powder-actuated fastening. Design allows for easy installation using any 8 mm powder actuated fastening system. Available for both steel and concrete. The New, Versatile Hanger that Simplifies Threaded Rod Suspension.
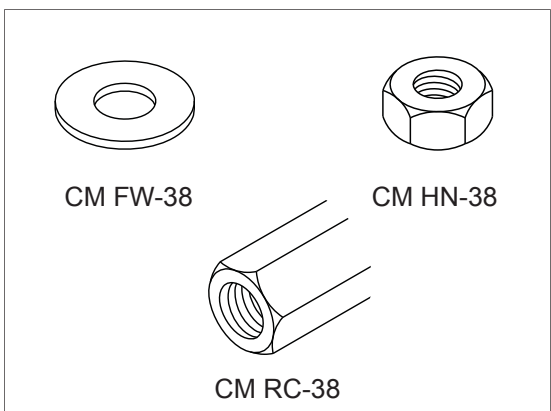
Attachment Hardware

Part Number	Description
CM FW-38	Zinc Plated $^3/_8$" Washer
CM HN-38	Zinc Plated $^3/_8$" Hex Nut
CM RC-38	Zinc Plated $^3/_8$" Rod Coupling

CM FW-38   CM HN-38

CM RC-38

Hardware - Snake Nut™ Threaded Rod Fastener

This innovative fastener eliminates the labor intensive need to hand thread hex nuts up a threaded rod. Simply insert the Snake Nut anywhere on the threaded rod and tighten into place with a set screw. Once locked into place, Snake Nut has been tested to hold up to 6,800 pounds.

NEW PRODUCT

3/8-16" THREADED ROD

STSN 38

5/32 ALLEN KEY
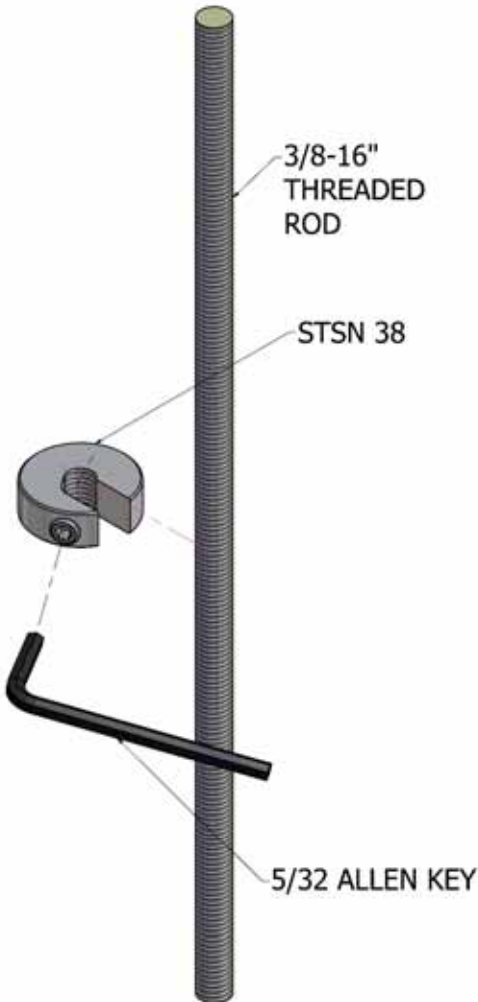
Part Number	Description
STSN 38	Fits $3/8$"-16 Threaded Rod
STSN 12	Fits ½"-13 Threaded Rod
STSN 58	Fits $5/8$"-11 Threaded Rod

Material: Steel
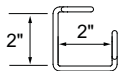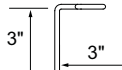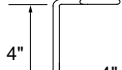
Finish Coat: Clear Zinc

Snake Nut™ Patent No: 8622679

401 Series Snake Race™

Snake Race is a mini cable manager that will handle up to 145 voice/data cables. Mounting rings run along two planes allowing for multiple mounting configurations. Hand bendable design allows for easy changes in direction without using tools or additional hardware. Snake Race eliminates any undue stresses on sagging cables by maintaining support and proper bending radii for all types of cable especially in situations where generic J-type hooks might be installed. Great for tight spaces, security applications, residential, schools and office environments including office furniture.

	Part Number	Physical Dimensions Height/Length/Width	Loading Dimensions Depth	Loading Dimensions Width	Physical Volume	Cable Capacity	Wt	Finish
2" / 2"	CM 401-2-8	2 ½" x 8' x 2 ½"	1 ½"	2"	3 si	30	3 #	G/SS/PC
3" / 3"	CM 401-3-8	3 ½" x 8' x 3 ½"	2 ½"	3"	7 ½ si	75	3 ½ #	G/SS/PC
4" / 4"	CM 401-4-8	4 ¼" x 8' x 4 ¼"	3 ½"	4"	14 si	145	4 #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

PON Snake Tray®
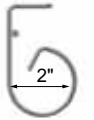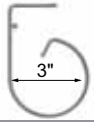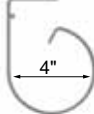
Snake Tray's newest cable management for Passive Optical Network Cables!

In response to the emerging technology in Passive Optical Networks, Snake Tray has designed an application specific cable conveyance system to bring the fiber to the PON Enclosures. Our hand bendable system is specifically designed to protect and secure the fiber in an easy cable management system that installs in seconds!

- Hand bendable (No cutting required!)

- Protects and secures the fiber cables with a 360° design

- Maintains the proper bend radius for optimal performance

- Built-in mounting rings

- Load cables easily from the side

- Nests together for low cost shipping and material handling

NEW PRODUCT

	Part Number	Physical Dimensions Height/Length/Width	Loading Dimensions Diameter	Physical Volume	Cable Capacity	Wt	Finish
2"	CM 454-2-8	3 ¾" x 8' x 2 ¼"	2"	3 si	30	3 #	G/SS/PC
3"	CM 454-3-8	4 ¾" x 8' x 3 ¼"	3"	6 ¾ si	65	3 ½ #	G/SS/PC
4"	CM 454-4-8	5 ¾" x 8' x 4 ¼"	4"	12 si	120	4 #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

501 Series Wall Snake Tray®

Wall Snake is the perfect solution for long linear installations where space is at a premium. The 501 series trays are designed to allow the tray to be directly attached to a wall without brackets using integrated mounting rings located along the center spine of the tray. These mounting rings eliminate the need for additional brackets or hanging hardware to complete the installation.

	Part Number	Physical Dimensions Height/Length/Width	Loading Dimensions Depth	Width	Physical Volume	Cable Capacity	Wt	Finish
2" x 2"	CM 501-2-8	3 ½" x 8' x 2 ½"	2"	2"	4 si	40	4 #	G/SS/PC
3" x 3"	CM 501-3-8	4 ½" x 8' x 3 ½"	3"	3"	9 si	92	4 ½ #	G/SS/PC
5" x 5"	CM 501-5-8	6 ½" x 8' x 5 ½"	5"	5"	25 si	255	5 ½ #	G/SS/PC
6" x 6"	CM 501-6-8	7 ½" x 8' x 6 ½"	6"	6"	36 si	367	7 #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE ANCHORED EVERY FOUR (4) TO FIVE (5) FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM | PRODUCT OVERVIEW ON PAGES 92-95

501 Series Wall Snake Tray® Accessories

Universal 201/501 Series Intersection

Part Number	Size
CM 0303T	5 ½" x 5 ½"

Installed as "T" component for the Snake 201 and 501 series trays.

201 to 501 Series Connection Adapter
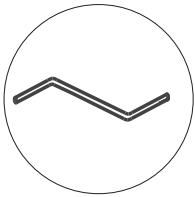
Part Number	Size
CM 201/501T	5 ¼" x 5 ¼"

Used to adapt 201 series to 501 series trays.
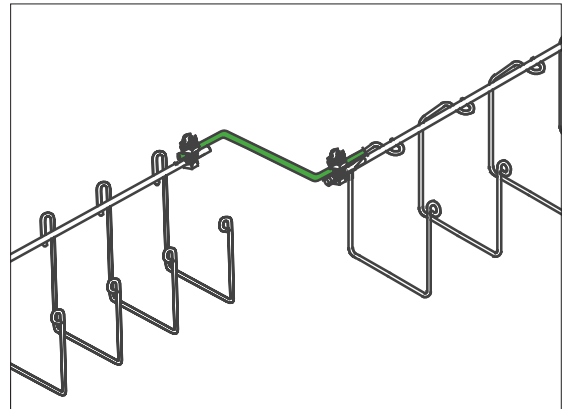
Cable Drop-Out Waterfall
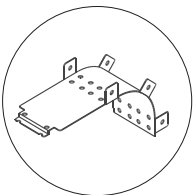
Part Number	Size
TO-2	2" W
TO-3	3" W
TO-425	4 ¼" W
TO-5	5" W
TO-6	6" W

Provides a smooth transition for cables when exiting the tray. Maintains a consistent 4" radius eliminating kinked cables. Easily attaches to tray with cable ties.
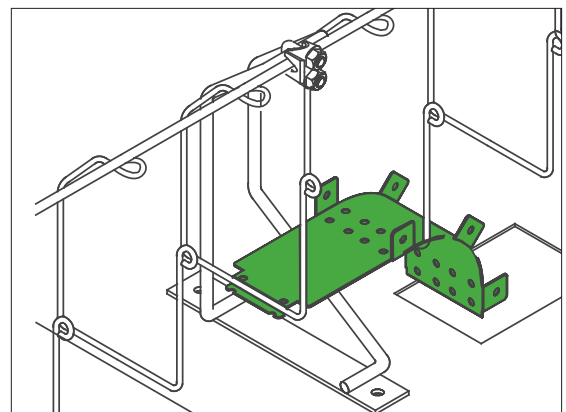
501 Series Wall Snake Tray® Accessories

Universal Tray Connector Split Bolt

Part Number
CB-10

Provides both a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-10 required per connection.
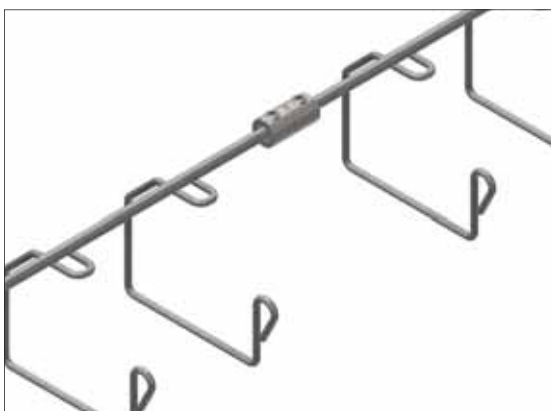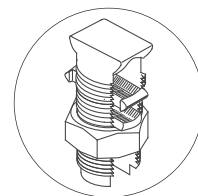
Universal Tray Inline Connector Bolt

Part Number
CB-12

Provides a mechanical and a bonded electrical connection when joining tray sections to one another. Only one CB-12 required per connection.

I-Beam Clamp

Part Number
CM 501-IBW

Bracket for 501 Series Tray to I-Beam.

Mega Snake®

High-capacity cable tray system radically reduces labor and installation costs!

Mega Snake allows crews to complete installations faster and reduce installed costs by eliminating labor-intensive steps and parts required by all other cable tray systems.

Mega Fast Installation
- Built-in suspension system eliminates costly brackets or struts
- Unique design connects trays in under one minute - far faster than other cable trays
- Eliminates field fabrication of turns, T's and cross sections (no cutting required)

Mega Smart Choice
- Patented design installs faster than traditional wire basket tray
- Pre-manufactured turns, T's, cross sections eliminate laborious cutting and sharp edges
- Unique nesting, stackable design reduces shipping and handling costs
- Splice kit maintains a continuous electrical bond throughout the system
- UL Classified Equipment Grounding Conductor

Mega Versatility
- High capacity cable tray for high and low voltage cables
- Overhead and under floor models
- Patented rail can be accessorized with electrical boxes, patch panels, wireless distribution boxes and many other devices

Superior Finishes
- Snake Tray's unique mechanically applied galvanizing process eliminates the growth of zinc whiskers.
  For details see Product Overview on pages 92-95.
- Stainless Steel and Powder Coating also available for all trays.

Built-in suspension system eliminates the need for costly and time consuming brackets or center strut supports.
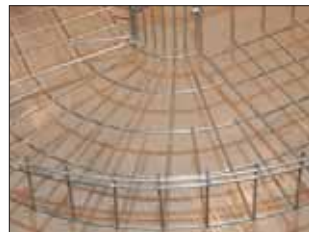
Our pre-manufactured turns, T's and intersections eliminate labor intensive cutting and clipping.

Unique nesting stackable design reduces shipping and handling costs.

Accessory rail allows interface with other Snake Trays, patch panels, strain relief and fiber optic pass over devices.

Call the Snake Tray engineering team to assist you with the creation of cable management or power distribution designs, drawing sets, bill of materials, submittals, BIM and Revit® support.

Optional Spanning Bar allows Mega Snake to span over ten (10) feet without deflection.

Inline Patch Panel Interface attaches directly to the Accessory Rail minimizing the need for equipment racks. (pg 29)
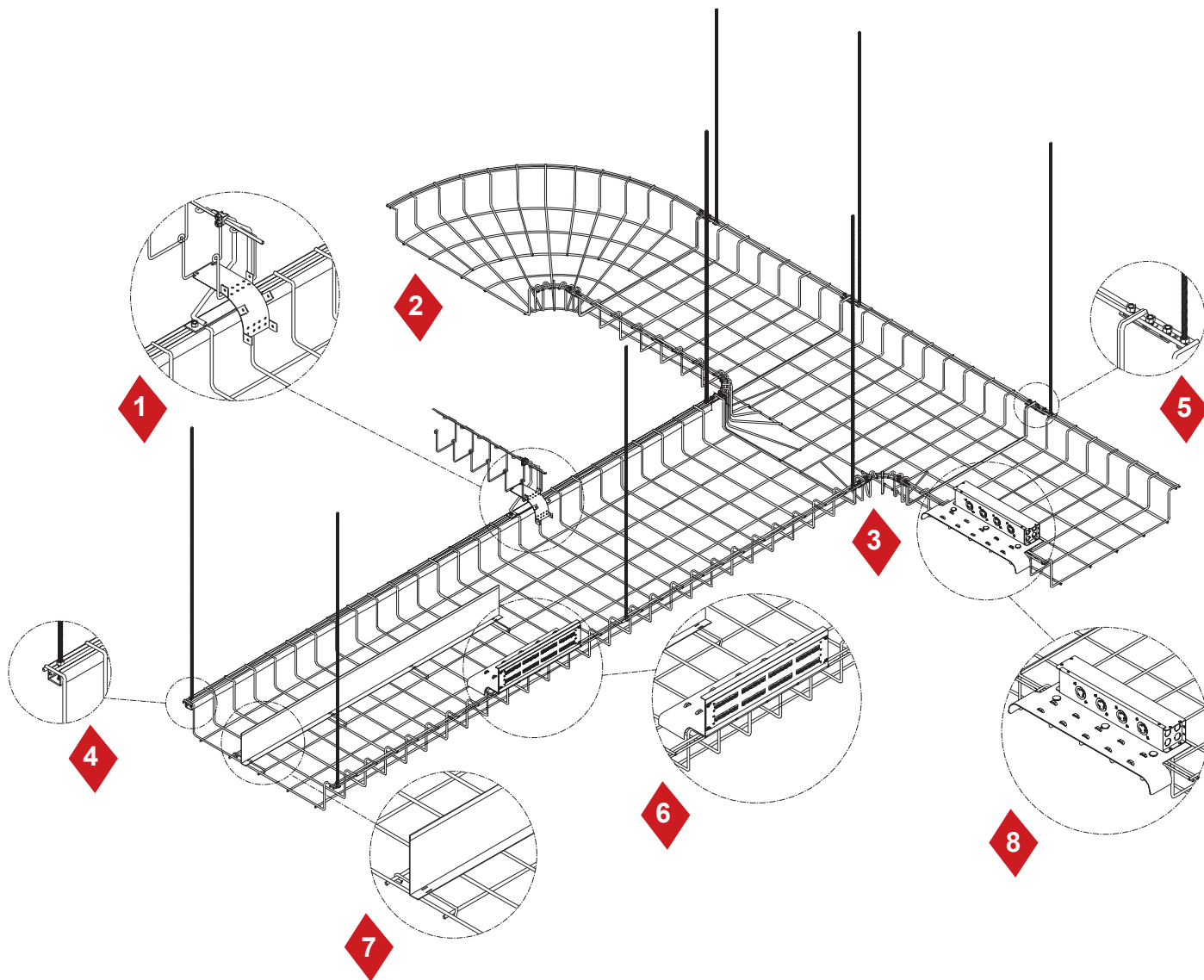
Unique Accessory Rail makes this the only cable tray system that provides support for hanging additional cable trays, devices and accessories.

Snake Rail, the patented accessory rail system, allows threaded rod to be attached directly to the tray at any point without additional brackets, strut, or trapezes. It allows for the connection of multiple accessory packages, including patch panels, camera mounts, and multi-outlet power modules. In addition, it provides the structure for electrically bonding Mega Snake via the self aligning splice kit.

Divider Grid snaps into position to form a divided pathway.

Pre-manufactured Turns eliminate labor-intensive cutting and allows for consistent bend radius.

Power Module offers empty or pre-wired modules that attach directly to the accessory rail to provide power in client designated locations greatly reducing electrical construction costs. (pg 30)

Pre-manufactured T's & Cross Sections save on-site labor.

801 Series Mega Snake®
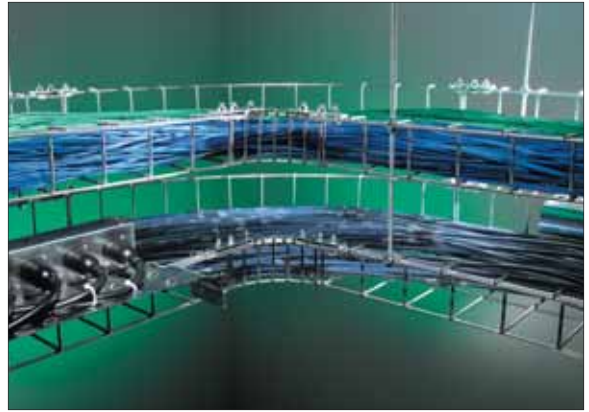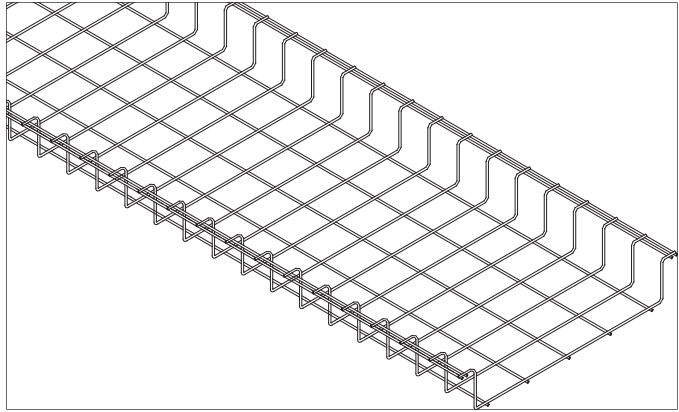
Straight Sections

| Part Number	Loading Dimensions		Physical Volume	Cable Capacity	Wt	Finish
	Depth	Width				
CM 801-2-6-10	2"	6"	12 si	125	18 #	G/SS/PC
CM 801-4-6-10	4"	6"	24 si	250	22 #	G/SS/PC
CM 801-2-12-10	2"	12"	24 si	250	22 #	G/SS/PC
CM 801-4-12-10	4"	12"	48 si	490	24 #	G/SS/PC
CM 801-6-12-10	6"	12"	72 si	720	25 ¾ #	G/SS/PC
CM 801-2-18-10	2"	18"	36 si	375	26 #	G/SS/PC
CM 801-4-18-10	4"	18"	72 si	720	26 ¾ #	G/SS/PC
CM 801-6-18-10	6"	18"	108 si	1,100	28 ½ #	G/SS/PC
CM 801-2-24-10	2"	24"	48 si	490	24 #	G/SS/PC
CM 801-4-24-10	4"	24"	96 si	980	31 #	G/SS/PC
CM 801-6-24-10	6"	24"	144 si	1,470	32 ¾ #	G/SS/PC

FOR BEST RESULTS IT IS RECOMMENDED THAT MEGA SNAKE BE SUPPORTED EVERY (5) FIVE FEET

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

Bendable Mega Snake

Part Number	Description
CM 801-4-6-FG5	4" H x 6" W x 5' L
CM 801-2-12-FG5	2" H x 12" W x 5' L
CM 801-4-12-FG5	4" H x 12" W x 5' L
CM 801-6-12-FG5	6" H x 12" W x 5' L
CM 801-2-18-FG5	2" H x 18" W x 5' L
CM 801-4-18-FG5	4" H x 18" W x 5' L
CM 801-6-18-FG5	6" H x 18" W x 5' L
CM 801-2-24-FG5	2" H x 24" W x 5' L
CM 801-4-24-FG5	4" H x 24" W x 5' L
CM 801-6-24-FG5	6" H x 24" W x 5' L
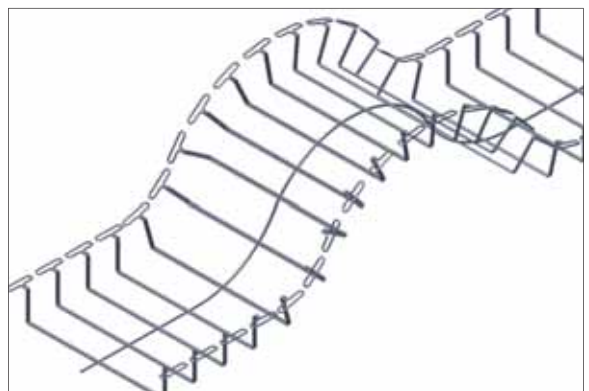
For bridging obstacles and compound directional changes.

801 Series Mega Snake® Tray
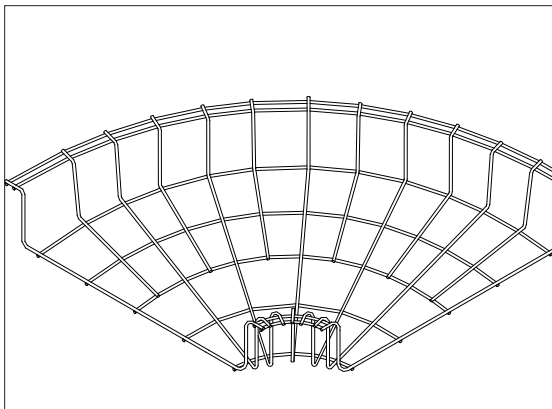
90°Turns

Part Number	Description
CM 801-2-6-90	2" D x 6" W 90° Turn
CM 801-4-6-90	4" D x 6" W 90° Turn
CM 801-2-12-90	2" D x 12" W 90° Turn
CM 801-4-12-90	4" D x 12" W 90° Turn
CM 801-6-12-90	6" D x 12" W 90° Turn
CM 801-2-18-90	2" D x 18" W 90° Turn
CM 801-4-18-90	4" D x 18" W 90° Turn
CM 801-6-18-90	6" D x 18" W 90° Turn
CM 801-2-24-90	2" D x 24" W 90° Turn
CM 801-4-24-90	4" D x 24" W 90° Turn
CM 801-6-24-90	6" D x 24" W 90° Turn
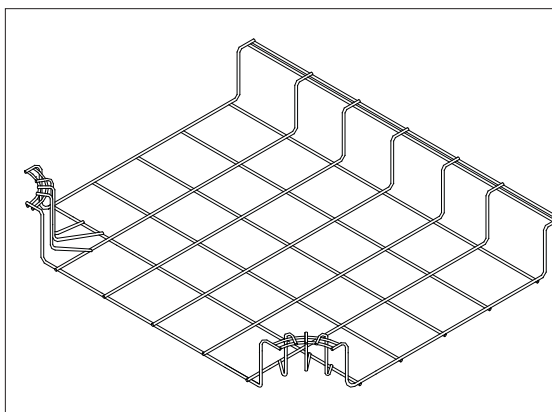
T-Section

Part Number	Description
CM 801-2-6-T	2" D x 6" W T-Section
CM 801-4-6-T	4" D x 6" W T-Section
CM 801-2-12-T	2" D x 12" W T-Section
CM 801-4-12-T	4" D x 12" W T-Section
CM 801-6-12-T	6" D x 12" W T-Section
CM 801-2-18-T	2" D x 18" W T-Section
CM 801-4-18-T	4" D x 18" W T-Section
CM 801-6-18-T	6" D x 18" W T-Section
CM 801-2-24-T	2" D x 24" W T-Section
CM 801-4-24-T	4" D x 24" W T-Section
CM 801-6-24-T	6" D x 24" W T-Section
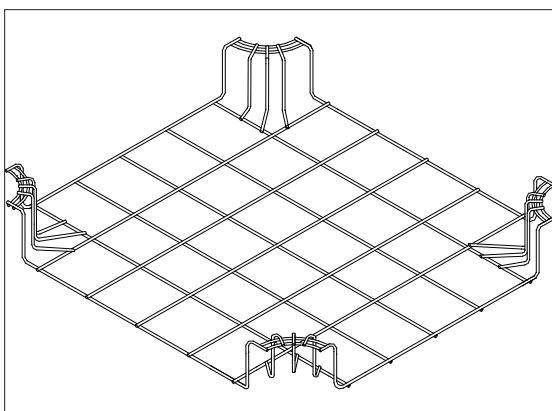
Crossing Grid

Part Number	Description
CM 801-2-6-CG	2" D x 6" W 4-Way Crossing Grid
CM 801-4-6-CG	4" D x 6" W 4-Way Crossing Grid
CM 801-2-12-CG	2" D x 12" W 4-Way Crossing Grid
CM 801-4-12-CG	4" D x 12" W 4-Way Crossing Grid
CM 801-6-12-CG	6" D x 12" W 4-Way Crossing Grid
CM 801-2-18-CG	2" D x 18" W 4-Way Crossing Grid
CM 801-4-18-CG	4" D x 18" W 4-Way Crossing Grid
CM 801-6-18-CG	6" D x 18" W 4-Way Crossing Grid
CM 801-2-24-CG	2" D x 24" W 4-Way Crossing Grid
CM 801-4-24-CG	4" D x 24" W 4-Way Crossing Grid
CM 801-6-24-CG	6" D x 24" W 4-Way Crossing Grid

801 Series Mega Snake® Accessories

Size Adapters

Part Number	Description
CM 801-2-R6	2" x 12" to 2" x 18" or 2" x 12" to 2" x 24"
CM 801-2-R12	2" x 12" to 2" x 24"
CM 801-4-R6	4" x 12" to 4" x 18" or 4" x 18" to 4" x 24"
CM 801-4-R12	4" x 12" to 4" x 24"
CM 801-6-R6	6" x 12" to 6" x 18" or 6" x 18" to 6" x 24"
CM 801-6-R12	6" x 12" to 6" x 24"
CM 801-2/4-R6	2" x 12" to 4" x 18" or 2" x 18" to 4" x 24"
CM 801-2/4-R12	2" x 12" to 4" x 24"
CM 801-4/6-R6	4" x 12" to 6" x 18" or 4" x 18" to 6" x 24"
CM 801-4/6-R12	4" x 12" to 6" x 24"
CM 801-2/6-R6	2" x 12" to 6" x 18" or 2" x 18" to 6" x 24"
CM 801-2/6-R12	2" x 12" to 6" x 24"

Transition from one size Mega Snake to another.

Hinged Splice Plates

Part Number	Description
CM 801-2-H-SP	2" D Hinged Splice Plate Kit
CM 801-4-H-SP	4" D Hinged Splice Plate Kit
CM 801-6-H-SP	6" D Hinged Splice Plate Kit

Each vertical directional change requires one kit.
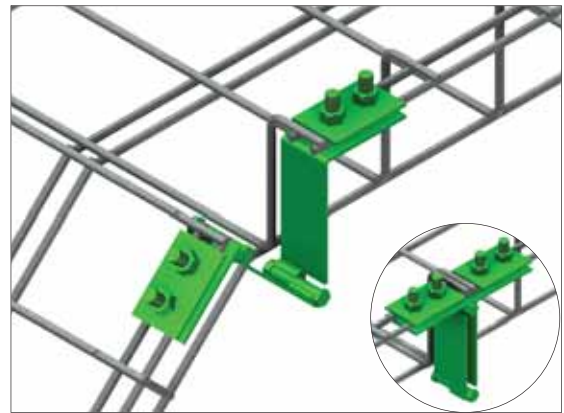
Splice Kit

Part Number	Description
CM 801-SP	Mega Snake Splice Kit (2 splice plates per kit)

Splice kit maintains a continuous electrical and mechanical bond throughout the Mega Snake system.

Divider Grid

Part Number	Description
CM 801-2-DG	2" D Divider Grid x 60"
CM 801-4-DG	4" D Divider Grid x 60"
CM 801-6-DG	6" D Divider Grid x 60"

Divides cable tray pathway.
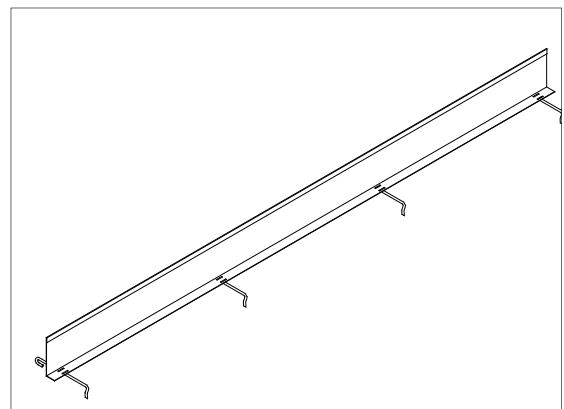
801 Series Mega Snake® Accessories

Snake Nuts™ Threaded Rod Fastener

Part Number	Description
CM 801-SN-38-A	Fits ³/₈"-16 Threaded Rod
CM 801-SN-12-A	Fits ½"-13 Threaded Rod
CM 801-SN-58-A	Fits ⁵/₈"-11 Threaded Rod

This innovative fastener eliminates the labor burning need to hand thread hex nuts up a threaded rod. Simply insert the Snake Nut anywhere on the threaded rod and tighten into place with a set screw. Once locked into place, Snake Nut has been tested to hold up to 9000 pounds.

Snake Suspenders - Wire Rope Suspension Kit

NEW PRODUCT

Part Number	Description
CM 801-SSK-XX	Snake Suspender Kit for Mega Snake
CM 801-SSK-GK	Snake Suspender Gimbal Kit for Mega Snake

XX DENOTES LENGTH

This amazing proprietary system allows for the Mega Snake Series Cable Tray to be suspended via wire rope. The components attach directly to Mega Snake's equipment mounting rail system. Once engaged, the Mega Snake height can be adjusted at will and without tools. It can be readjusted anytime during the installation process. Snake Suspenders add on gimbal kit can vector the wire rope in any direction for seismic cross bracing.
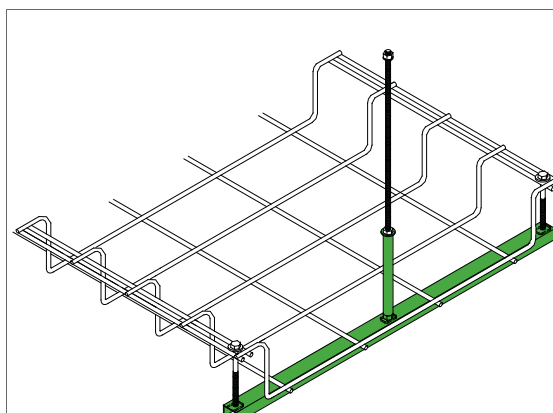
Center Support

Part Number	Description
CM 801-4-6-CS	Center Support for 4" D x 6" W Tray
CM 801-2-18-CS	Center Support for 2" D x 18" W Tray
CM 801-2-24-CS	Center Support for 2" D x 24" W Tray
CM 801-4-18-CS	Center Support for 4" D x 18" W Tray
CM 801-4-24-CS	Center Support for 4" D x 24" W Tray
CM 801-6-18-CS	Center Support for 6" D x 18" W Tray
CM 801-6-24-CS	Center Support for 6" D x 24" W Tray

Bracket used when access to either side is required.

Note: 12" Mega Snake has built-in center support.
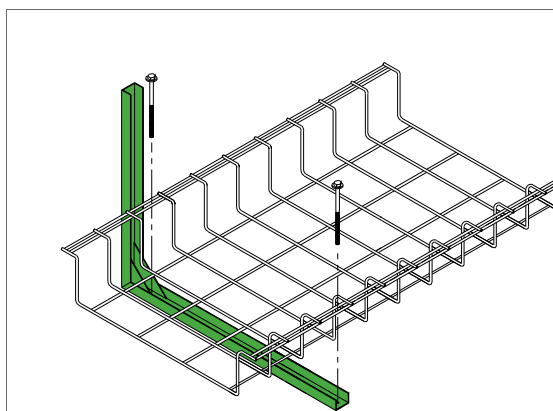
Wall Bracket

Part Number	Size
CM 801-4-6-WB	Wall Bracket for 4" D x 6" W Tray
CM 801-2-12-WB	Wall Bracket for 2" D x 12" W Tray
CM 801-2-18-WB	Wall Bracket for 2" D x 18" W Tray
CM 801-2-24-WB	Wall Bracket for 2" D x 24" W Tray
CM 801-4-12-WB	Wall Bracket for 4" D x 12" W Tray
CM 801-4-18-WB	Wall Bracket for 4" D x 18" W Tray
CM 801-4-24-WB	Wall Bracket for 4" D x 24" W Tray
CM 801-6-12-WB	Wall Bracket for 6" D x 12" W Tray
CM 801-6-18-WB	Wall Bracket for 6" D x 18" W Tray
CM 801-6-24-WB	Wall Bracket for 6" D x 24" W Tray

801 Series Mega Snake® Accessories

Double Wall Bracket

Part Number	Size
CM 801-X-X-WB-D-OU	Over/Under Wall Bracket

Configurations to accommodate different trays on top and bottom available.

X DENOTES TRAY SIZE (DEPTH AND WIDTH)
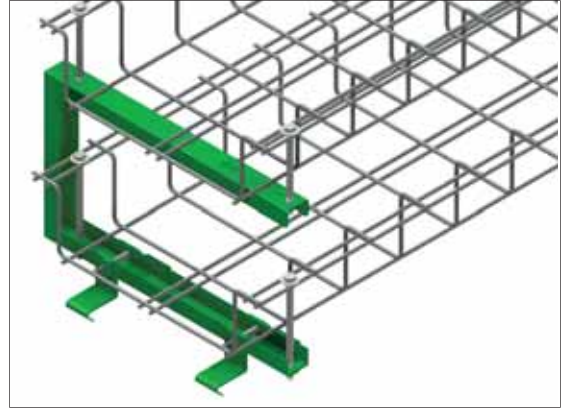
Cabinet Bracket

Part Number	Size
CM 801-X-X-CBN 3/5	Adjusts 3 - 5"
CM 801-X-X-CBN 6/10	Adjusts 6 - 10"
CM 801-X-X-CBN 9/15	Adjusts 9 - 15"
CM 801-X-X-CBN 12/18	Adjusts 12 - 18"

Cabinet Basket used to mount 801 Series Mega Snake to the top of Data Cabinets.

X DENOTES TRAY SIZE (DEPTH AND WIDTH)

*CUSTOM CONFIGURATIONS AVAILABLE.
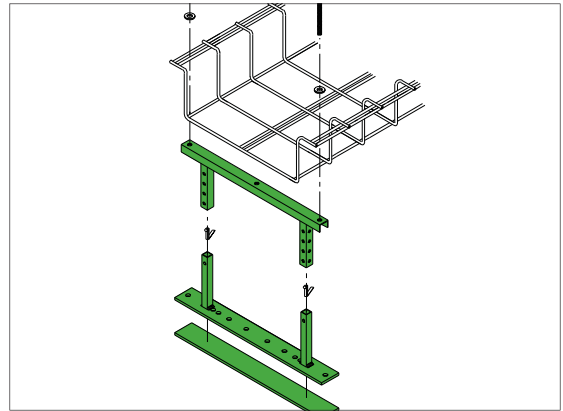
Cable Drop Out

Part Number	Description
CM 801-TO-12	12" End Mounted Waterfall
CM 801-TO-18	18" End Mounted Waterfall
CM 801-TO-24	24" End Mounted Waterfall
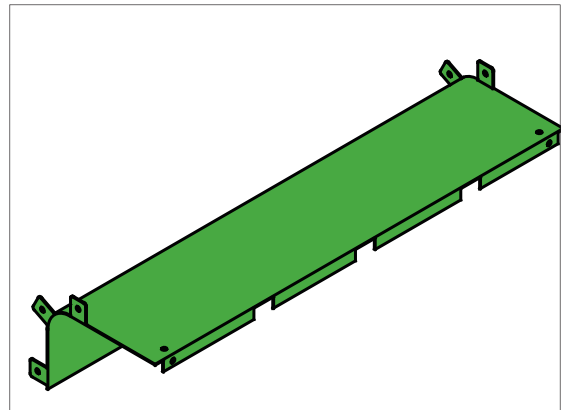
Rail Mount Cable Drop Out

Part Number	Description
CM 801-TO-SM	Rail Mounted Waterfall

Rail mounted water fall designed to enter/exit cable over side rail on 801 Series Mega Snake.
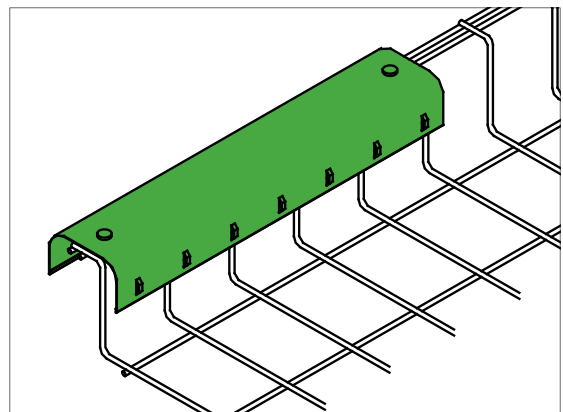
801 Series Mega Snake® Accessories
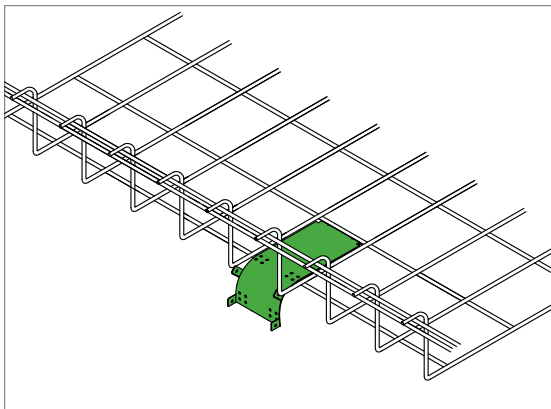
Side Mount Cable Dropout

Part Number	Description
CM 801-TO-3.50	Side Mounted Dropout 3.5" wide

Side mounted dropout designed to enter/exit cable through side rail on 801 Series Mega Snake.
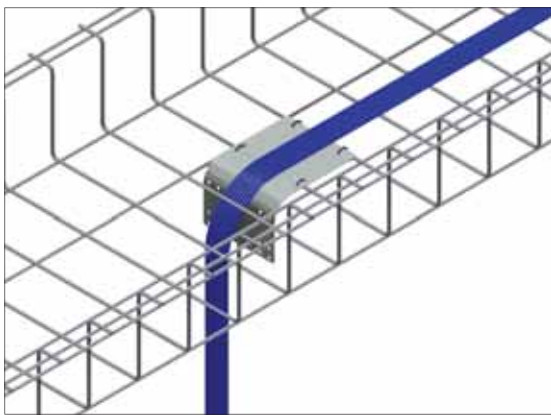
In-Line Cable Dropout

Part Number	Description
CM 801-TO-5	In-Line Cable Dropout for 12", 18" and 24" Trays

In-line dropout designed to enter/exit cable through a center section of 801 Series Mega Snake.
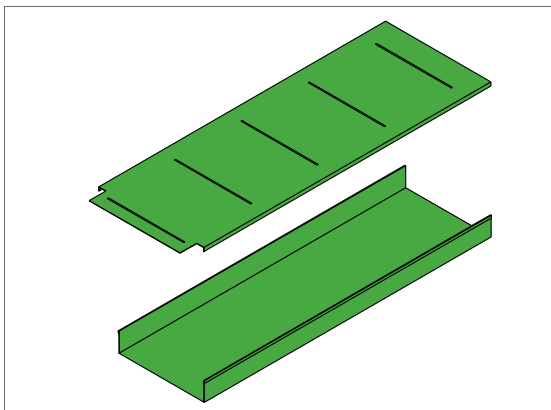
Tray Inserts and Covers

Part Number	Description
CM 801-X-C	Tray Cover in 6", 12", 18" and 24" widths
CM 801-X-X-TI	Tray Insert in 6",12", 18" and 24" widths
CM 801-X-TI-FLAT	Tray Flat Bottom Insert in 6", 12", 18" and 24" widths

In 60" lengths, two inserts per tray required.
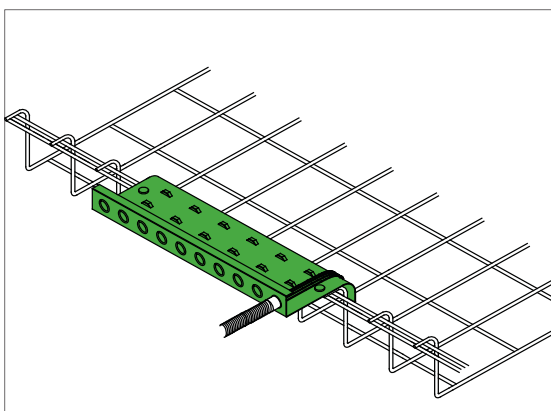
Conduit Adapter

Part Number	Description
CM 801-CP-2	2 Point Connection Conduit Bracket
CM 801-CP-10	10 Point Connection Conduit Bracket

*ADDITIONAL CONFIGURATIONS AVAILABLE.

801 Series Mega Snake® Accessories

Patch Panel Adapter

Part Number	Description
CM 801-PP/19-1U	19" Patch Panel Bracket - 1U
CM 801-PP/19-2U	19" Patch Panel Bracket - 2U
CM 801-PP/19-3U	19" Patch Panel Bracket - 3U
CM 801-PP/19-4U	19" Patch Panel Bracket - 4U

19" Patch Panel bracket attaches to side rail on 801 Series Mega Snake.

CUSTOM SIZES AVAILABLE.

2U Shown
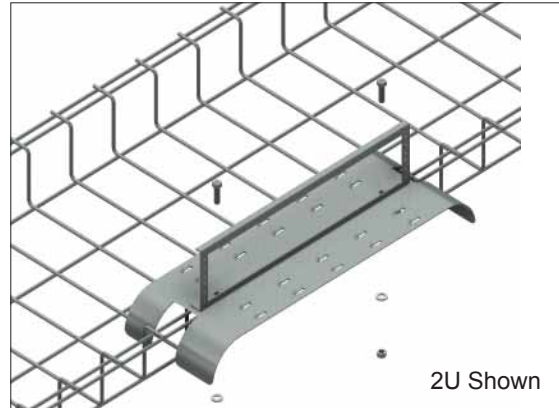
Fiber Optic Turnout Module

Part Number	Description
CM 801-FOTO-S	Fiber Optic Single Exit for Cables
CM 801-FOTO-D	Fiber Optic Double Exit for Cables

Fiber optic exit designed to attach to the 801 Series Mega Snake. Designed to protect cable and control bend radius.
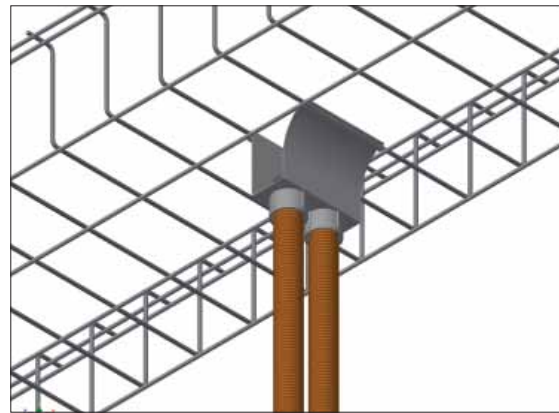
Power Distribution Module

Part Number	Description
CM 801-PM-XX	Customer Specified Power Distribution Module

The Power Distribution Module is the cornerstone of the Power Mega Snake power distribution system. It is available empty or loaded with customer specified NEMA receptacles. It is also available pre-wired with MC cables to be carried by the Mega Snake and terminated at the electrical panel.

XX DENOTES CUSTOMER SPECIFIED POWER REQUIREMENTS.

Call the Snake tray engineering team to assist you with the power distribution configuration and part numbers.
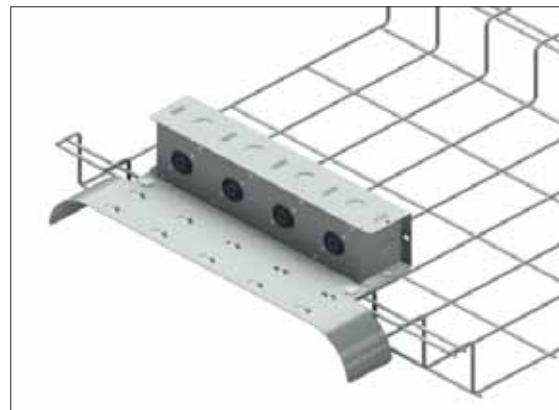
Full Height Floor Supports for Mega Snake

Part Number
CM 801-SK-0121-X

This support allows Mega Snake Tray free standing support system that installs independently of cabinets and racks.

X DENOTES HEIGHT.

801 Series Mega Snake® Accessories

Termination Kit

Part Number
CM 801-WTK

Mega Snake support for 90° wall, floor and ceiling terminations.
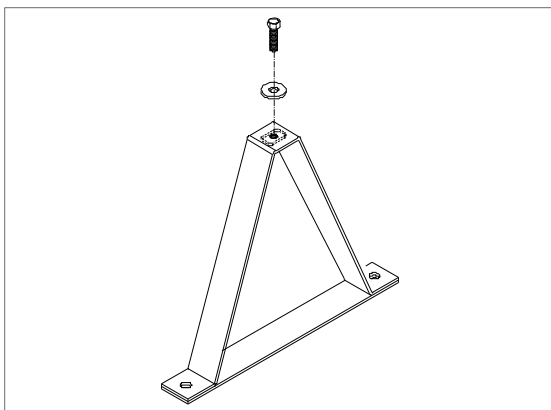
Floor Stanchion

Part Number
CM 801-FST-XX

Mega Snake floor mounted support system.

XX DENOTES HEIGHT.
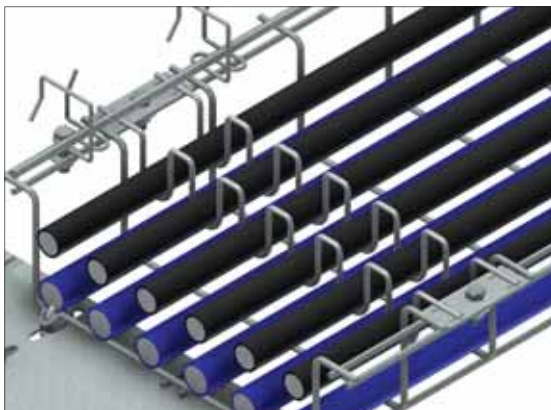
Mega Snake® Air Separator

Part Number	Description
CM 801-AS-12-001	12" wide Mega Snake
CM 801-AS-18-001	18" wide Mega Snake
CM 801-AS-24-001	24" wide Mega Snake

This auxiliary component attaches directly to the Mega Snake's mounting rail to provide code compliant separation between high ampacity conductors. This separation system provides the spacing that will allow the full ampacity rating of cables in accordance with the NEC. Can be configured to the customer's specific cable schedule.
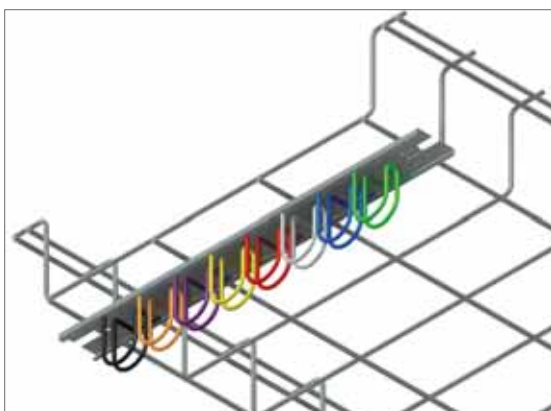
Mega Snake Under Tray Pathway System

Part Number	Description
CM 801-18-ACSM	Auxiliary Conveyance System Module

Unique applications require unique solutions. In hospital environments, there is a need for mission critical cable pathways apart from the standard data cabling infrastructure, typically nurse call, alarm and security cabling. This under tray add on accessory provides up to 8 separate color coded cable pathways, simple to install and available with customer specific color coding.

Snake Canyon®

Drop-in Snake Canyon® and cut your labor costs by half!

Snake Canyon has revolutionized the way cable can be installed in computer access floors. This modular cable tray system instantly integrates with the existing structural elements of an access floor to create the fastest to install under-floor cable tray.

One-piece drop-in cable tray module
- As little as one tenth the labor to install when compared to other methods
- No additional hardware or mounting legs required to buy, engineer, or ship
- Trays interface with ALL 2' x 2' access floor grids, and can be installed at any location.
- Trays integrate with floor for strength and durability
- Maintains proper air flow under the floor
- Brings cable plant to the surface for easy access

Snake Canyon can be installed in any floor style, including stringer less floors
- Universal solution for all access floors systems

Snake Canyon integrates with the access floor structure
- Creates a new cable path above supplementary utilities

Installation requires no complicated hardware or techniques
- No specialized labor or tools are required to install Snake Canyon

Trays can be relocated and reused
- Can easily reconfigure to accommodate any future design plans

Creates ergonomic cable pathway for safe and easy access
- Less wear and tear on installers, and easy access to the cable

Half baskets and turning components available
- Trays can be easily configured for any cable plan

Superior Finishes
- Snake Tray's unique mechanically applied galvanizing process eliminates the growth of zinc whiskers.
  For details see Product Overview on pages 92-95.
- Stainless Steel and Powder Coating also available for all trays.

Quality and Service
- Snake Tray ships from inventory the day it is ordered
- Customer service available 24 hours
- UL Classified
- EIA/TIA and NEC Compliant
- Made in the US

Complies with floor manufacturer's warranties

Call the Snake Tray engineering team to assist you with the creation of cable management or power distribution designs, drawing sets, bill of materials, submittals, BIM and Revit® support.
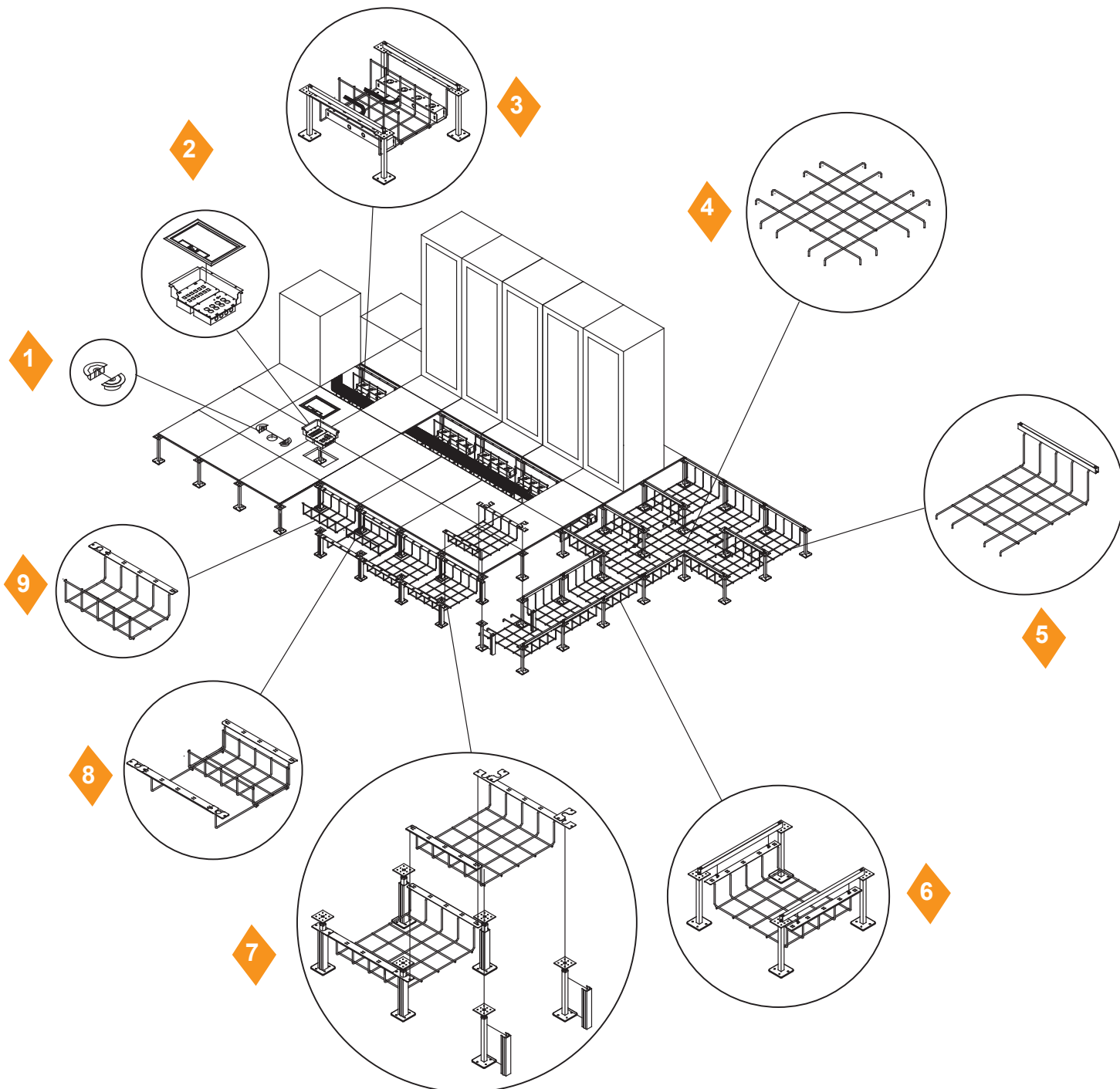
1 Snake Air airflow manager blocks air from escaping under access floors. (pg 91)

2 Snake Box modular floor box contains both data and electrical receptacles. (pg 89)

3 Power Snake Canyon provides the cable tray and electrical receptacles in one easy-to-install module. (pg 40)

4 Crossing Grid creates 4-way intersections for trouble-free cable management.

5 Turning Component allows for effortless changes in direction and parallel pathways.

6 Cam-Loc Snake Canyon installs in seconds by attaching to existing floor stringer with simple twist lock cams.

7 Latch-Loc Snake Canyon installs in seconds to the access floor by latching onto the floor pedestal or the threaded rod adjuster.

8 Half Section Snake Canyon provides easy access to utilities below the cable path.

9 Cantilever Snake Canyon maintains access to existing systems below and allows for stacking the pathways.

301 Series Snake Canyon® Latch-Loc

Latch-Loc Snake Canyon quickly installs to a computer access floor by latching onto the floor pedestal above the height adjuster nut. Latch-Loc Snake Canyon's all-in-one piece design instantly gives you a high capacity cable path that can hold close to 3000 data cables. Latch-Loc Snake Canyon is available in five depths in full or half basket sections and can be utilized with other Snake Canyon models to create bridges where floor tiles are not readily removable.
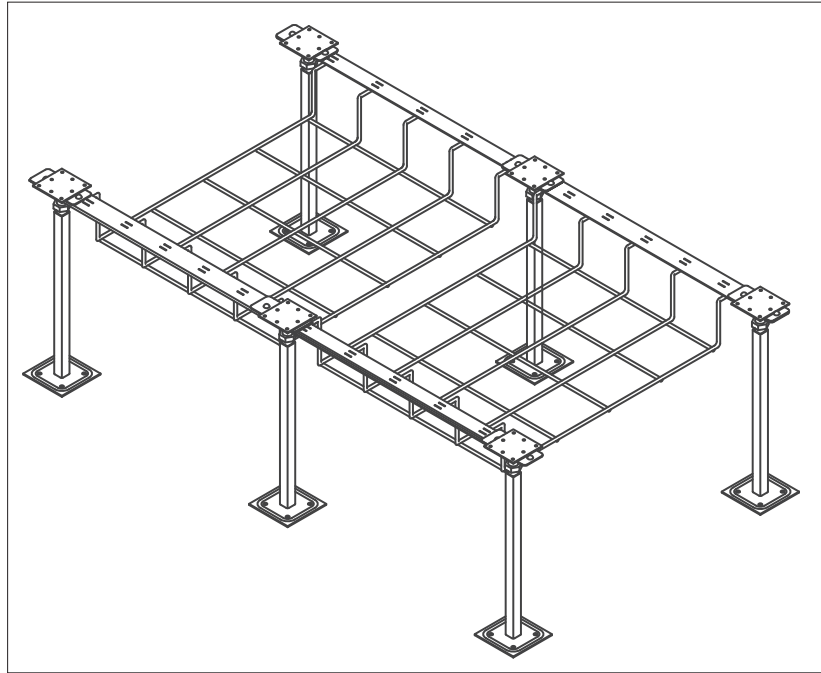
Part Number	Description	Loading Dimensions		Physical Volume	Cable Capacity	Wt	Finish
		Depth	Width				
CM 301-2-A45	2" Deep Latch-Loc ¾" PED	2"	22"	44 si	470	5 ¾ #	G/SS/PC
CM 301-4-A45	4" Deep Latch-Loc ¾" PED	4"	22"	88 si	940	6 #	G/SS/PC
CM 301-6-A45	6" Deep Latch-Loc ¾" PED	6"	22"	132 si	1400	6 ¼ #	G/SS/PC
CM 301-8-A45	8" Deep Latch-Loc ¾" PED	8"	22"	176 si	1880	6 ½ #	G/SS/PC
CM 301-12-A45	12" Deep Latch-Loc ¾" PED	12"	22"	264 si	2820	7 #	G/SS/PC
CM 301-2-A46	2" Deep Latch-Loc 1" PED	2"	22"	44 si	470	5 ¾ #	G/SS/PC
CM 301-4-A46	4" Deep Latch-Loc 1" PED	4"	22"	88 si	940	6 #	G/SS/PC
CM 301-6-A46	6" Deep Latch-Loc 1" PED	6"	22"	132 si	1400	6 ¼ #	G/SS/PC
CM 301-8-A46	8" Deep Latch-Loc 1" PED	8"	22"	176 si	1880	6 ½ #	G/SS/PC
CM 301-12-A46	12" Deep Latch-Loc 1" PED	12"	22"	264 si	2820	7 #	G/SS/PC

OTHER PEDESTAL BRACKETS SIZES AVAILABLE

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

301 Series Snake Canyon® Cam-Loc

Use on any general installation or where adjacent tiles can not be removed or when bridging under equipment racks and cabinets. Can be used on any access floor stringer type that utilizes an underside channel or open bottom box type design. The spring tensioned cam is inserted inside the stringer through the bottom slot and tightened with an allen wrench. The tightened cam creates a mechanical connection between the Snake Canyon basket and raised floor stringer. Available in straight sections, turning components and half sections.
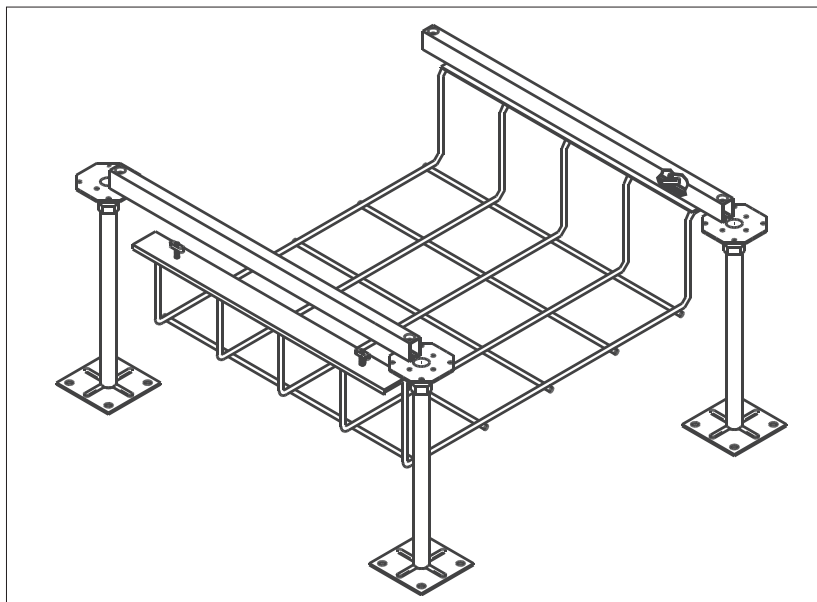
Part Number	Description	Loading Dimensions		Physical Volume	Cable Capacity	Wt	Finish
		Depth	Width				
CM301-2-CAM	2" Deep Cam-Loc Snake Canyon	2"	22"	44 si	470	5 #	G/SS/PC
CM301-4-CAM	4" Deep Cam-Loc Snake Canyon	4"	22"	88 si	940	5 ½ #	G/SS/PC
CM301-6-CAM	6" Deep Cam-Loc Snake Canyon	6"	22"	132 si	1400	5 ¾ #	G/SS/PC
CM301-8-CAM	8" Deep Cam-Loc Snake Canyon	8"	22"	176 si	1880	6 #	G/SS/PC
CM301-12-CAM	12" Deep Cam-Loc Snake Canyon	12"	22"	264 si	2820	6 ½ #	G/SS/PC

*ADVISE STRINGER TYPE AND/OR DIMENSIONS. ADDITIONAL DEPTHS IN STOCK.
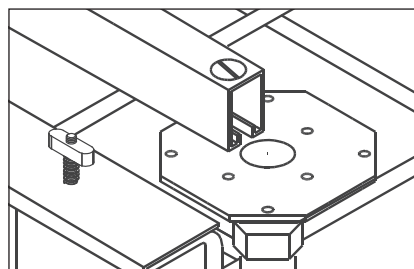
Spring loaded twist cam.
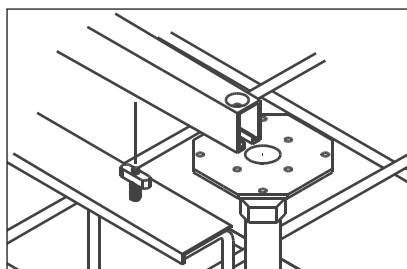
Align twist cam with the opening along the bottom of the stringer and raise basket - inserting cam inside stringer.
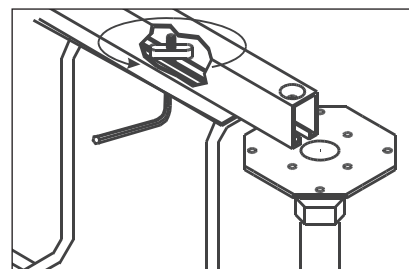
With cam inside stringer, use allen wrench to tighten cam and complete installation.

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC))
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM | PRODUCT OVERVIEW ON PAGES 92-95

Snake Canyon® Original

Snake Canyon is a modular cable tray system that integrates the structural elements of a raised access floor with a high capacity cable tray into one easy to install drop-in element. The Snake Canyon component when installed becomes an integral part of the floor structure. Simply remove the necessary floor tiles, two parallel stringers, then drop-in the Snake Canyon basket.
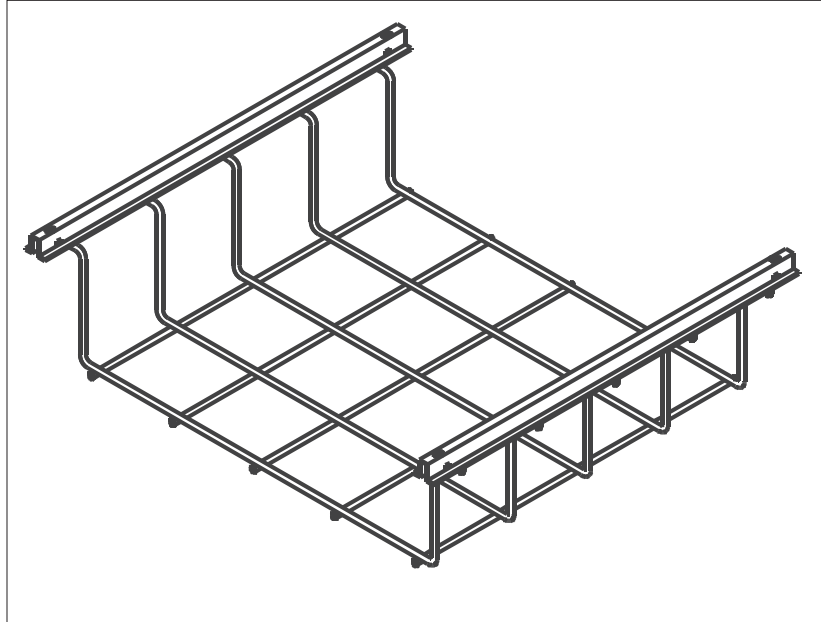
	Part Number	Physical Dimensions Height/Length/Width	Loading Dimensions Depth	Width	Physical Volume	Cable Capacity	Wt	Finish
2" / 22"	CM 301-2-X	3 ¾" x 24" x 23"	2"	22"	44 si	470	5 ¾ #	G/SS/PC
4" / 22"	CM 301-4-X	5 ¾" x 24" x 23"	4"	22"	88 si	940	6 #	G/SS/PC
6" / 22"	CM 301-6-X	7 ¾" x 24" x 23"	6"	22"	132 si	1400	6 ¼ #	G/SS/PC
8" / 22"	CM 301-8-X	9 ¾" x 24" x 23"	8"	22"	176 si	1880	6 ½ #	G/SS/PC
12" / 22"	CM 301-12-X	13 ¾" x 24" x 23"	12"	22"	264 si	2820	7 #	G/SS/PC

X DENOTES STRINGER TYPE.   CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)

* FOR SPECIFIC FLOOR MANUFACTURER STRINGER TYPES CALL 800.308.6788.
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM │ PRODUCT OVERVIEW ON PAGES 92-95

301 Series Snake Canyon® Cantilever

Snake Canyon Cantilever is a great solution when multiple layers of cable paths accessibility are required under the access floor. Trays can be stacked in order to provide multiple levels. Both Latch-Loc and Cam-Loc are available.

Shown as Cam-Loc

	Part Number	Physical Dimensions	Loading Dimensions		Physical Volume	Cable Capacity	Finish
		Height/Length/Width	Depth	Width			
2" 11⅝"	CM 301-2-CL-X	2" x 19 ½" x 11⁵/₁₆"	2"	11 ½"	23 si	235	G/SS/PC
4" 11⅝"	CM 301-4-CL-X	4" x 19 ½" x 11⁵/₁₆"	4"	11 ½"	46 si	470	G/SS/PC
6" 11⅝"	CM 301-6-CL-X	6" x 19 ½" x 11⁵/₁₆"	6"	11 ½"	69 si	700	G/SS/PC
8" 11⅝"	CM 301-8-CL-X	8" x 19 ½" x 11⁵/₁₆"	8"	11 ½"	92 si	940	G/SS/PC
12" 11⅝"	CM 301-12-CL-X	12" x 19 ½" x 11⁵/₁₆"	12"	11 ½"	156 si	1410	G/SS/PC

X DENOTES STRINGER TYPE.   CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)

* FOR SPECIFIC FLOOR MANUFACTURER STRINGER TYPES CALL 800.308.6788.
CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM | PRODUCT OVERVIEW ON PAGES 92-95

301 Series Snake Canyon® Plus

Snake Canyon Plus is the universal cable tray for under floors that instantly installs to any access floor with an easy snap-on tray support system. No tools or hardware required. Snake Canyon Plus allows for multiple tiers and multiple directions of cable management. Divider grids are available for the division of technologies. The modular tray designs allow for easy changes and retrofits and its quick attaching system positions the cables trays to allow for ample airflow under the access floor.

CANTILEVERED UPPER BASKET

OBSTRUCTION FREE LOWER BASKET
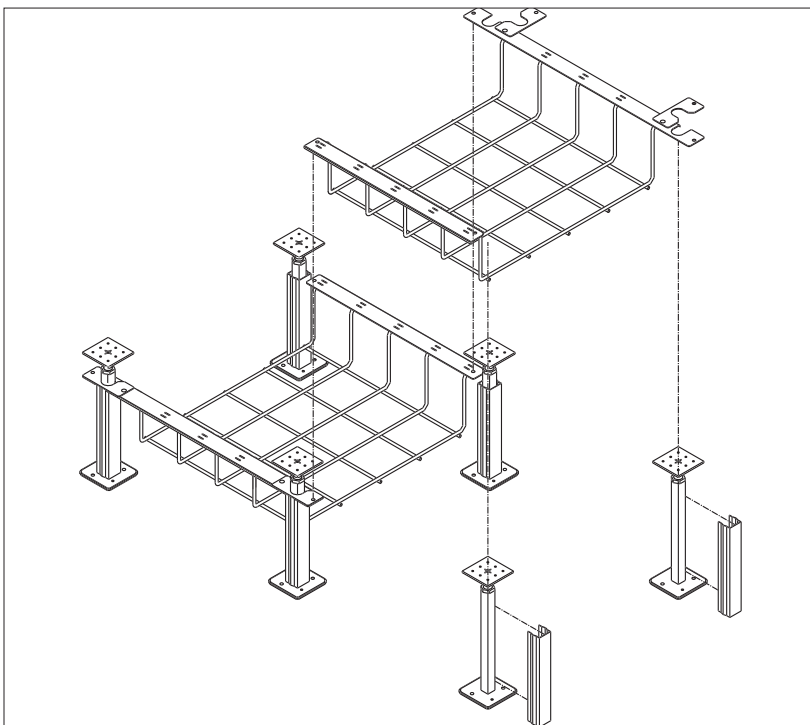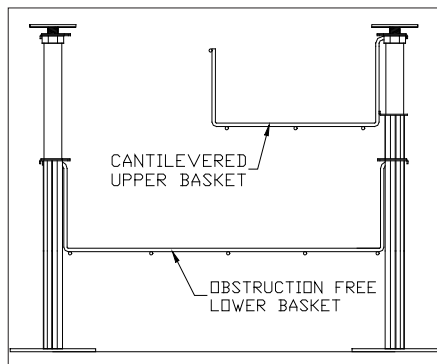
Cable Tray Modules

Part Number	Description	Loading Dimensions		Physical Volume	Cable Capacity	Wt	Finish
		Depth	Width				
CM 301-2-A50	2" Deep Snake Canyon Plus	2"	22"	44	470	5 ¾ #	G/SS/PC
CM 301-4-A50	4" Deep Snake Canyon Plus	4"	22"	88	940	6 #	G/SS/PC
CM 301-6-A50	6" Deep Snake Canyon Plus	6"	22"	132	1400	6 ¼ #	G/SS/PC
CM 301-8-A50	8" Deep Snake Canyon Plus	8"	22"	176	1880	6 ½ #	G/SS/PC
CM 301-12-A50	12" Deep Snake Canyon Plus	12"	22"	264	2820	7 #	G/SS/PC

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD

FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)

CSI SPECIFICATION ON WEBSITE AT WWW.SNAKETRAY.COM.
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Pedestal Risers

Part Number	Description
A50-XX	1 ¼" Pedestal
A49-XX	1 ½" Pedestal
A51-XX	1 ¾" Pedestal

XX DENOTES HEIGHT OF RISER PER CUSTOMERS SPECIFICATIONS.
RISERS FOR OTHER SIZE AND SHAPE PEDESTALS ARE AVAILABLE.

301 Series Snake Canyon® Half Section
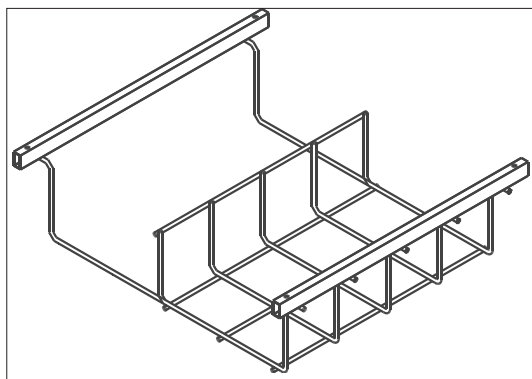
The Half Section Snake Canyon allows for the same quick simple installation, accessibility and large cable capacity as the standard Snake Canyon, but also provides an open area for convenient access to supplementary utilities that may run below the Voice/Data cabling plan. No additional hardware or floor modifications are necessary to complete the installation, and is available in 2", 4", 6", 8," and 12" depths providing up to 86 square inches of cable path. Available in all Snake Canyon models including Cam-Loc, Latch-Loc, Click-In and Snake Canyon Plus.

	Part Number	Physical Dimensions	Loading Dimensions		Physical Volume	Cable Capacity	Finish
		Height/Length/Width	Depth	Width			
2" 10 ¾"	CM 301-2-X-HS	3 ¾" x 24" x 23"	2"	10 ¾"	21 ½ si	220	G/SS/PC
4" 10 ¾"	CM 301-4-X-HS	5 ¾" x 24" x 23"	4"	10 ¾"	43 si	440	G/SS/PC
6" 10 ¾"	CM 301-6-X-HS	7 ¾" x 24" x 23"	6"	10 ¾"	64 ½ si	670	G/SS/PC
8" 10 ¾"	CM 301-8-X-HS	9 ¾" x 24" x 23"	8"	10 ¾"	86 si	880	G/SS/PC
12" 10 ¾"	CM 301-12-X-HS	13 ¾" x 24" x 23"	12"	10 ¾"	129 si	1320	G/SS/PC

X DENOTES STRINGER TYPE.

CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)

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301 Series Snake Canyon® Click-In
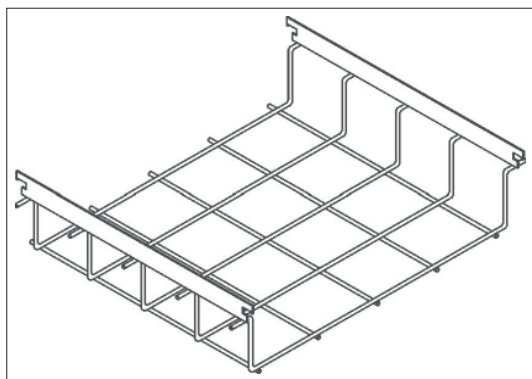
Click-In Snake Canyon simply indexes into the under structure of an AR Interface™ data center floor to offer a high capacity cable path that can hold up to 3000 data cables. No tools, hardware or attachments to the floor pedestals required to complete the installation.

Part Number	Description
CM 301-2-A41	2" Deep Click-In Snake Canyon
CM 301-4-A41	4" Deep Click-In Snake Canyon
CM 301-6-A41	6" Deep Click-In Snake Canyon
CM 301-8-A41	8" Deep Click-In Snake Canyon
CM 301-12-A41	12" Deep Click-In Snake Canyon

302 Series Power Snake Canyon®

Power Snake Canyon is an under floor cable tray with an integrated power module. This all-in-one component provides not only a cable or conduit path but also up to 8 pre-installed power receptacles to meet your power needs while reducing electrical construction costs. Available with pre-configured custom length whips. Power Snake Canyon delivers power from the main distribution panel to your enclosures in record time!
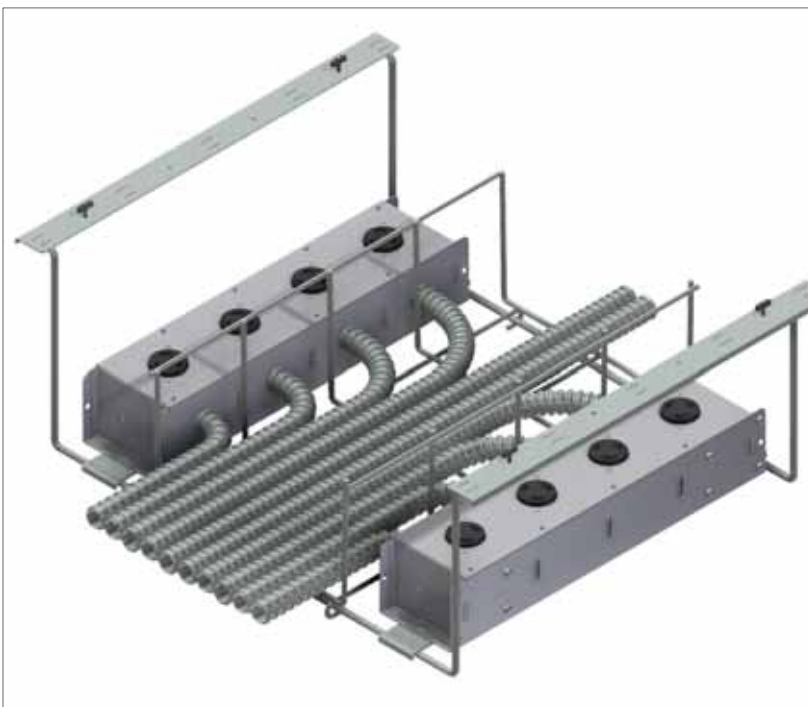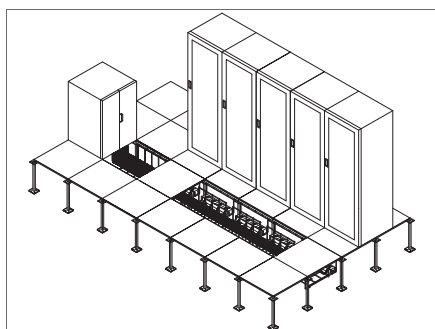
| | Part Number | Physical Dimensions | Loading Dimensions | | Finish |
		Height/Length/Width	Depth	Width	
	CM 302-4-X	5 ¾" x 24" x 23"	4"	10 ¾"	G/SS/PC
	CM 302-6-X	7 ¾" x 24" x 23"	6"	10 ¾"	G/SS/PC
	CM 302-8-X	9 ¾" x 24" x 23"	8"	10 ¾"	G/SS/PC
	CM 302-12-X	13 ¾" x 24" x 23"	12"	10 ¾"	G/SS/PC

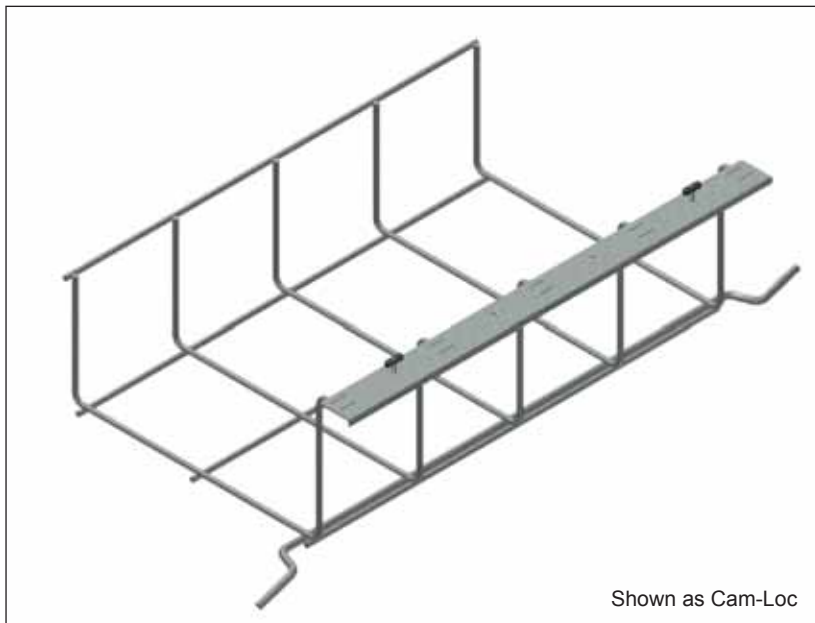X DENOTES STRINGER TYPE.
CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
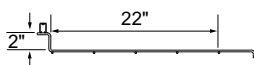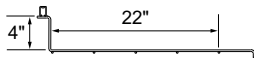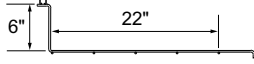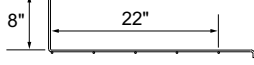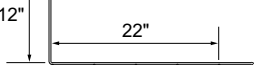
* FOR SPECIFIC FLOOR MANUFACTURER STRINGER TYPES CALL 800.308.6788. BUILT TO CUSTOMER'S SPECIFICATIONS.
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301 Series Snake Canyon® Turning Component

Snake Canyon Turning Component is used as an intersection to create a 90° sweep or T in order to maintain the proper bend radius for the cable. Also can be used to create parallel pathways. Turning components are available in 2", 4", 6", 8" and 12" depths providing up to 184 square inches of cable path for up to 3000 data cables.
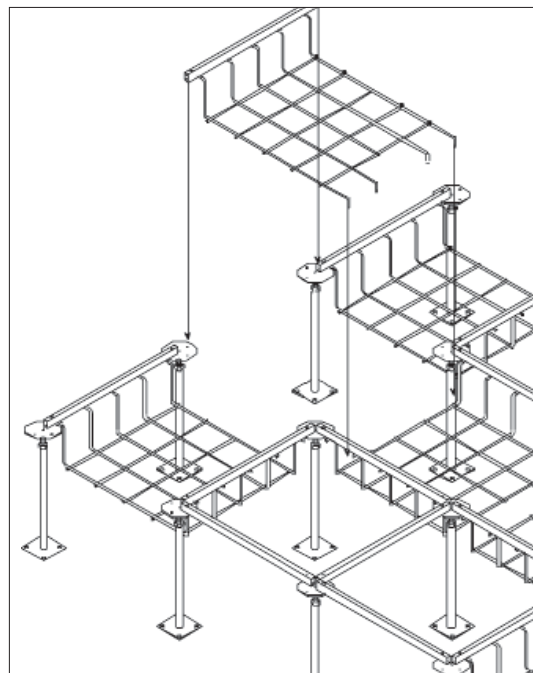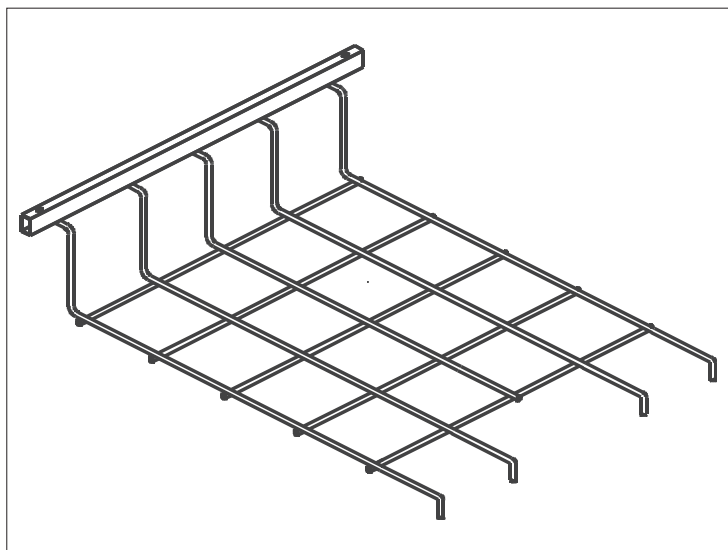
| | Part Number | Physical Dimensions | Loading Dimensions | | Physical | Cable | | |
		Height/Length/Width	Depth	Width	Volume	Capacity	Wt	Finishes
2" / 22"	CM 301-2-TC-X	3 ¾" x 24" x 28"	2"	22"	44 si	470	4 ¾ #	G/SS/PC
4" / 22"	CM 301-4-TC-X	5 ¾" x 24" x 28"	4"	22"	88 si	940	5 #	G/SS/PC
6" / 22"	CM 301-6-TC-X	7 ¾" x 24" x 28"	6"	22"	132 si	1400	5 ¼ #	G/SS/PC
8" / 22"	CM 301-8-TC-X	9 ¾" x 24" x 28"	8"	22"	176 si	1880	5 ½ #	G/SS/PC
12" / 22"	CM 301-12-TC-X	13 ¾" x 24" x 28"	12"	22"	264 si	2820	6 #	G/SS/PC

X DENOTES STRINGER TYPE.
CABLE CAPACITY BASED ON 50% FILL AS PER NEC ARTICLE 392.9B 0.25 OD
FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED (PC)
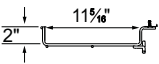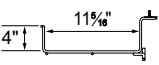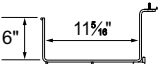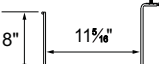
* FOR SPECIFIC FLOOR MANUFACTURER STRINGER TYPES CALL 800.308.6788. BUILT TO CUSTOMER'S SPECIFICATIONS.
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301 Series Snake Canyon® Accessories

Patch Panel Pedestal Mount Kit

Part Number
CM 708-10-10495-KIT

Allows for structured cabling to be mounted below the raised floor in a code compliant data center. 4 RU capabilities.
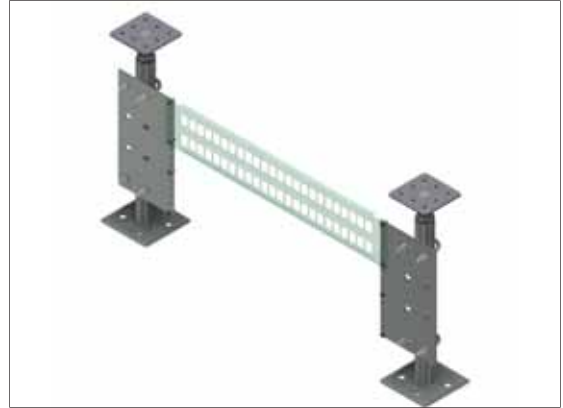
Universal Crossing Grid for Snake Canyon
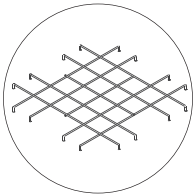
Part Number	Size
CM 301-CG	31" x 31"

Install Snake Canyon Crossing Grids where 4-way intersections are necessary. No additional tools or mounting hardware required to complete installation.
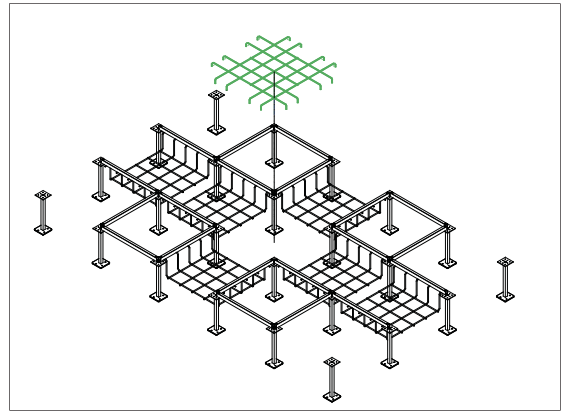
Divider Fence for Snake Canyon
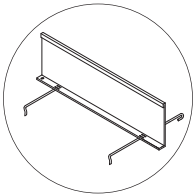
Part Number	Size
CM 301-DG-2	24" L x 2" H
CM 301-DG-4	24" L x 4" H
CM 301-DG-6	24" L x 6" H
CM 301-DG-8	24" L x 8" H
CM 301-DG-12	24" L x 12" H

Divides Snake Canyon modules into separate cable pathways. Easy "Snap-in" design. Additional sizes available.
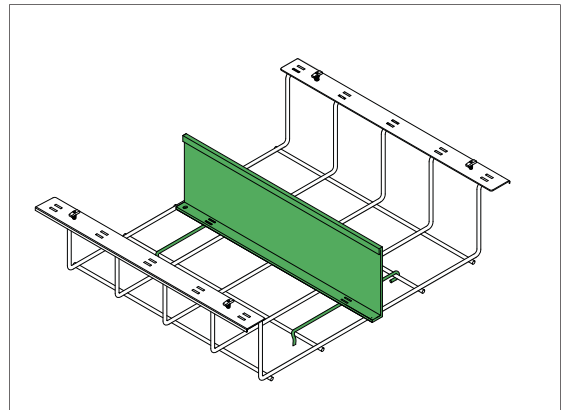
Transition Component for Snake Canyon
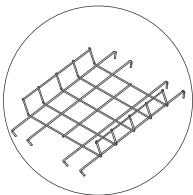
Part Number	Size
CM 301-TR	23" W x 31" L

Transition Components provide continuous support for cable when transitioning from two different depth Snake Canyon modules.
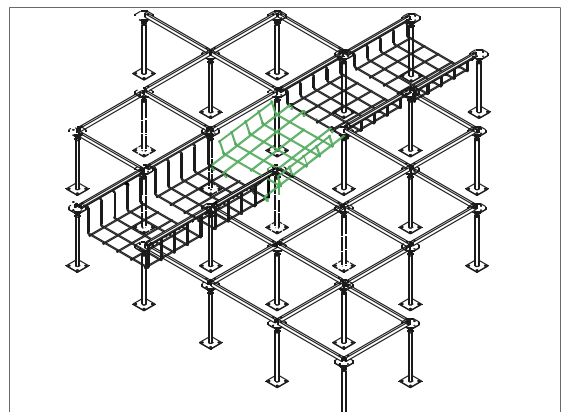
301 Series Snake Canyon® Accessories
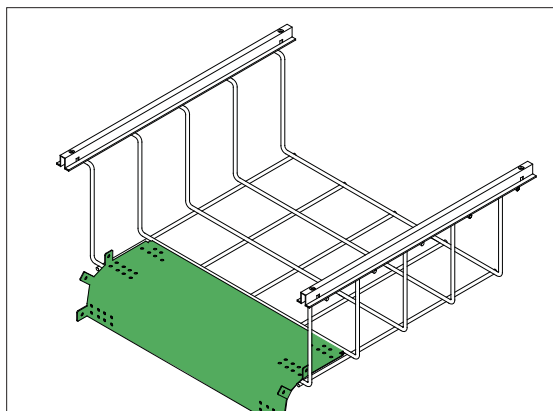
Snake Canyon Cable Drop Out

Part Number	Size
CM 301-TO	22" x 7"

Cable drop out for Snake Canyon. Continuous drop out for both straight sections and turning components. Provides a smooth transition for cables when exiting the tray. Maintains a consistent 4" radius eliminating kinked cables. Easily attaches to tray with cable ties.
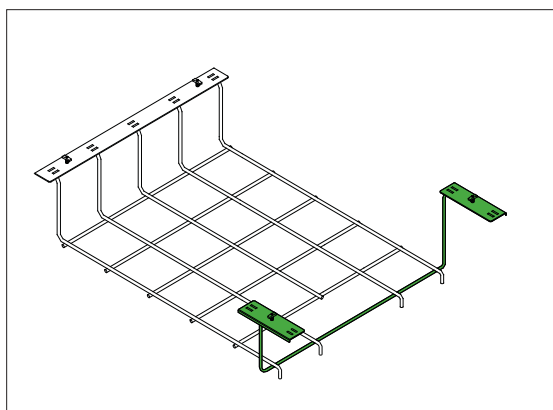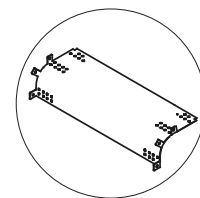
Cam-Loc Turning Component Bridge Support

Part Number
CM 301-X-TCS-CAM

Install Snake Canyon Crossing Grids where 4-way intersections are necessary. No additional tools or mounting hardware required to complete installation.

X DENOTES DEPTH
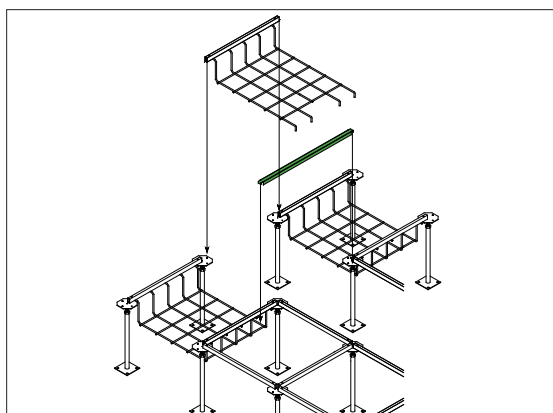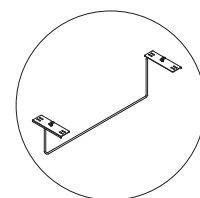
Snake Canyon Bridge Support

Part Number	Size
CM 301-TS-2	29 ½" x 1"
CM 301-TS-4	53 ½" x 1"

Used to create a support bridge for turning components, transition components and/or crossing grids. Interfaces with adjacent snake canyon baskets.
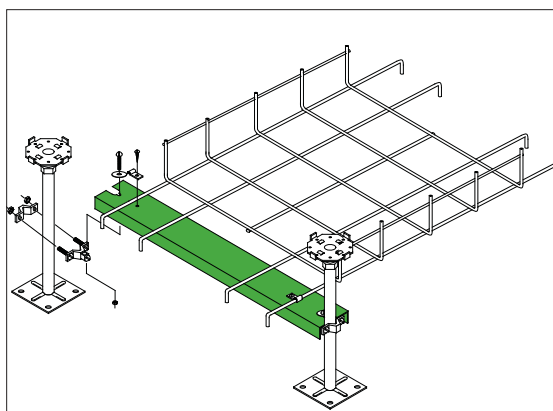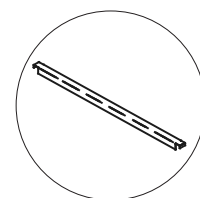
Snake Canyon Pedestal Mount Bridge

Part Number	Size
CM 301-TRCB	25" x 3 ¼"

Used to create a support bridge for Turning Components, Transition Components and/or Crossing Grids. Interfaces with adjacent floor pedestals.

Aluminum Cable Tray

NEW
PRODUCT
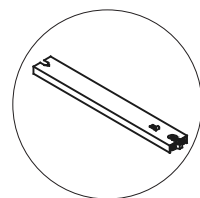
Snake Tray's now offers Aluminum Cable Tray. Aluminum Cable Trays are a light weight for easier installation while offering a high loading capacity to manage large cable runs. Components are easy to attach with our quick connection system.

- Light weight aluminum
- High loading capacity to handle large cable runs
- Easy connection system
- Made in the USA

653 Aluminum Cable Tray Straight Sections

Ladder Type
(Specify Rung Spacing)

Ventilated Trough

Non-Ventilated Trough

Straight Section Part Numbering

Prefix
Example: CM 653 - L06 - 4 - 06 - 120

Series	Type/Description	Depth	Width	Length
CM 653	L06 = Ladder 6" spacing	4 = 4"	06 = 6"	120 = 10'
	L09 = Ladder 9" spacing	6 = 6"	09 = 9"	144 = 12'
	L12 = Ladder 12" spacing		12 = 12"	240 = 20'
	VT = Vented Trough		18 = 18"	
	ST = Non-Vented Trough		24 = 24"	
			30 = 30"	
			36 = 36"	

653 Aluminum Cable Tray Accessories

In-Line Locking Splice Plates

Part Number	Height
CM 653-4-SP-01	4"
CM 653-6-SP-01	6"

- Standard 4-hole pattern.
- Furnished in pairs, with hardware.
- One pair including hardware provided with each section.
- For field installation drill 13/32" hole.
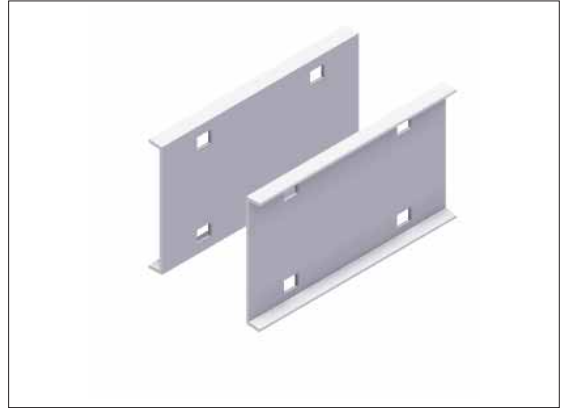
Expansion Splice Plates

Part Number	Height
CM 653-4-ESP-01	4"
CM 653-6-ESP-01	6"

- Expansion plates allow for one inch expansion or contraction of the cable tray, or where expansion joints occur in the supporting structure.
- Furnished in pairs with hardware.
- Bonding Jumpers are required on each side-rail. Order Separately.

Vertical Adjustable Splice Plates

Part Number	Height
CM 653-4-VASP-01	4"
CM 653-6-VASP-01	6"

- Provides for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs hardware.
- Bonding Jumper not required.

Cable Drop-Out

Part Number	Width
CM 653-TO-T-06	6"
CM 653-TO-T-09	9"
CM 653-TO-T-12	12"
CM 653-TO-T-18	18"
CM 653-TO-T-24	24"
CM 653-TO-T-30	30"
CM 653-TO-T-36	36"

- These components provide a rounded surface to protect cable as it exits from the cable tray.
- Hardware is included

653 Aluminum Cable Tray Accessories
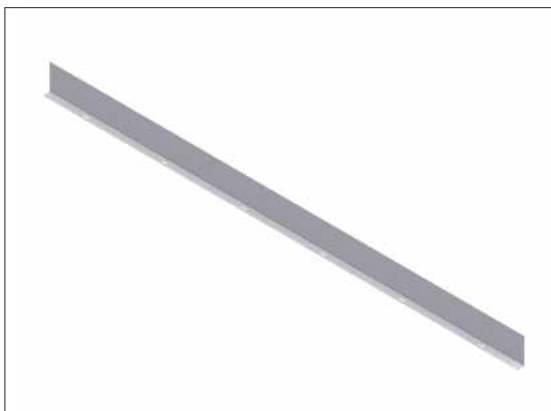
Tray Divider, Straight Section

Part Number	Height
CM 653-4-DG	4"
CM 653-6-DG	6"

- These components create a vertical barrier when installed into the cable tray straight section.
- Furnished with three #10 x ½" zinc plated self-drilling screws.
- Standard length is 60" (5 ft.), sold individually.
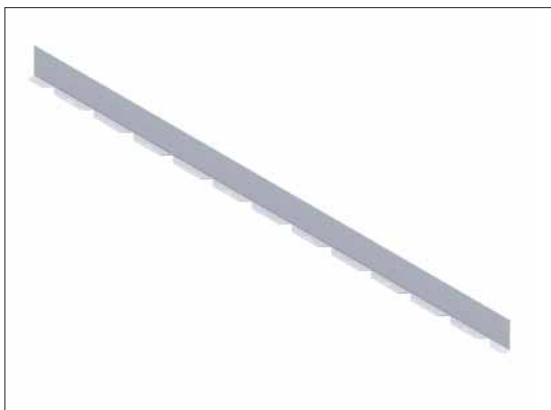
Tray Divider, Horizontal Bend

Part Number	Height
CM 653-4-DG-H	4"
CM 653-6-DG-H	6"

- Horizontal Bend Barriers are flexible in order to conform to any horizontal radius.
- Cut to length.
- Furnished with three #10 x ½" zinc plated self-drilling screws.
- Standard length is 60" (5 ft.), sold individually.

End Cap

Part Number	Height
CM 653-4-EC	4"
CM 653-6-EC	6"

- Creates a barrier at the terminal end on the cable tray run.
- Furnished with installation hardware.
- Sold Individually
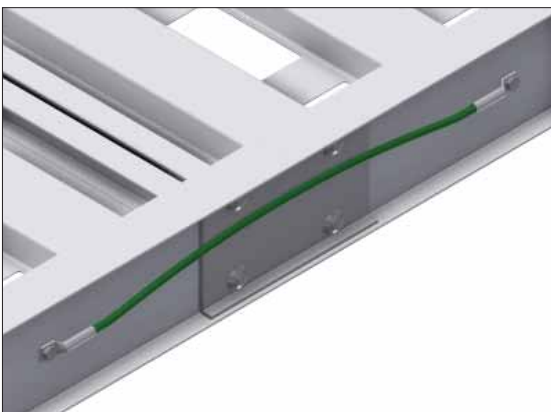
Bonding Jumper

Part Number	Copper Wire Size	Ampacity
CM BJ-1	#1	600
CM BJ-4/0	4/0	1600
CM BJ-250	250 MCM	2000

- Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground.
  Sold individually.
- Installation hardware included.
- Bonding jumper is 16" long.

653 Aluminum Cable Tray Accessories

Cable Tray Clamp Kit

Part Number	Bolt Size
CM 653-TCK	$^3/_8$"

- Features a no-twist design.
- Installation hardware included.
- Not recommended for vertical support.
- Set of (2) clamps

Threaded Rod

Part Number	Clear Zinc Plated Threaded Rod
TR-1-G	$^3/_8$" - 16 x 1'
TR-2-G	$^3/_8$" - 16 x 2'
TR-3-G	$^3/_8$" - 16 x 3'
TR-4-G	$^3/_8$" - 16 x 4'
TR-5-G	$^3/_8$" - 16 x 5'
TR-6-G	$^3/_8$" - 16 x 6'
TR-8-G	$^3/_8$" - 16 x 8'
TR-10-G	$^3/_8$" - 16 x 10'
TR-1/2-1-G	½" - 13 x 1'
TR-1/2-2-G	½" - 13 x 2'
TR-1/2-3-G	½" - 13 x 3'
TR-1/2-4-G	½" - 13 x 4'
TR-1/2-5-G	½" - 13 x 5'
TR-1/2-6-G	½" - 13 x 6'
TR-1/2-8-G	½" - 13 x 8'
TR-1/2-10-G	½" - 13 x 10'
TR-5/8-1-G	$^5/_8$" - 11 x 1'
TR-5/8-2-G	$^5/_8$" - 11 x 2'
TR-5/8-3-G	$^5/_8$" - 11 x 3'
TR-5/8-4-G	$^5/_8$" - 11 x 4'
TR-5/8-5-G	$^5/_8$" - 11 x 5'
TR-5/8-6-G	$^5/_8$" - 11 x 6'
TR-5/8-8-G	$^5/_8$" - 11 x 8'
TR-5/8-10-G	$^5/_8$" - 11 x 10'

Loading based on safety factor 5. Standard Finish: Zinc plated
• Bonding Jumper not required.
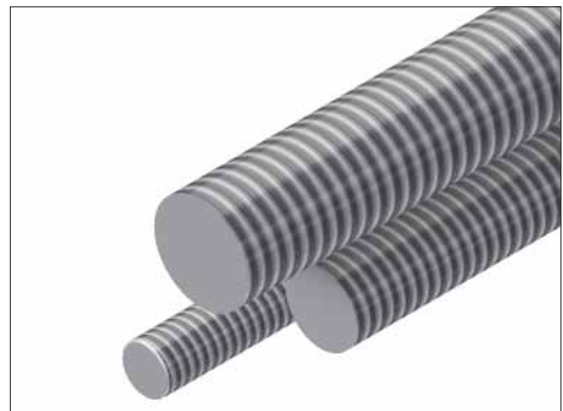
Rod Coupling

Part Number	Rod Coupling
CM RC-38	$^3/_8$"
CM RC-12	½"
CM RC-58	$^5/_8$"
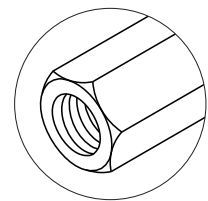
Nuts

Part Number	Nuts
CM HN-38	$^3/_8$"
CM HN-12	½"
CM HN-58	$^5/_8$"
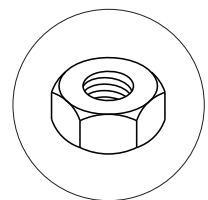
653 Aluminum Cable Tray Accessories

Trapeze Support Kit

Part Number	Tray Width	Channel Length
CM 653-TS-06	6"	16"
CM 653-TS-09	9"	18"
CM 653-TS-12	12"	22"
CM 653-TS-18	18"	28"
CM 653-TS-24	24"	34"
CM 653-TS-30	30"	40"
CM 653-TS-36	36"	46"

- Snake Tray trapeze kits provide the necessary components for a single trapeze support in one kit. These kits are available in pre-galvanized steel with zinc-plated hardware.
- The support bar provides convenient pre-punched slots, eliminating the need for field drilling.
- The entire kit is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.
- Designed for use with ½" threaded rod. Order rod separately.

Rooftop Support Bases with Channel

Part Number	Height x Width x Length
CM 653-RS-28	5 $^5/_8$" x 6" x 28.0"
CM 653-RS-36	5 $^5/_8$" x 6" x 36.0"
CM 653-RS-42	5 $^5/_8$" x 6" x 42.0"
CM 653-RS-50	5 $^5/_8$" x 6" x 50.0"
CM 653-RS-60	5 $^5/_8$" x 6" x 60.0"

- Designed for use as a rooftop support for cable tray.
- Each support has rubberized pads on the underside of each leg to minimize any chaffing of the existing rooftop.
- Can be used with any of Snake Tray cable tray clamps and guides.
- Ultimate Load Capacity: 1,000 lbs. (uniform load).

Center Hung Tray Support

Part Number	Height
CM 653-CS-18	18"
CM 653-CS-30	30"
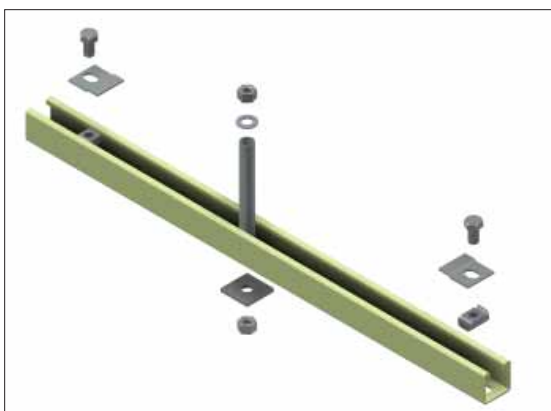
- Center Hung Cable Tray Support allows cable to be installed from both sides.
- Eliminates costly cable pulling and field cutting of cable tray supports. Labor costs are drastically reduced.
- Required hardware and threaded rod material for trapeze assemblies are reduced by 50%.
- Designed for use with ½" threaded rod. (Order rod separately).
- Use with all aluminum and steel cable trays up to 24" in width.
- Load capacity is 700 lbs. per support. Safety factor of 3.0. Eccentric loading is not to exceed a 60% vs. 40% load differential.
- The maximum recommended unsupported span length is 144"/12 ft. (3.66m).
- Furnished with installation hardware.

653 Aluminum Cable Tray Accessories

Wall Bracket

Part Number	Width
CM 653-WB-06	6"
CM 653-WB-09	9"
CM 653-WB-12	12"
CM 653-WB-18	18"
CM 653-WB-24	24"
CM 653-WB-30	30"
CM 653-WB-36	36"

18" Shown

- Wall bracket allows for the cable tray to be attached to a vertical surface.
- Constructed from steel, this bracket will support the tray as well as the load.
- Wall anchors MUST be designed to handle a shear load of the bracket as well as the load with a safety factor of 2.5. Eccentric loading is not to exceed 60% vs. 40% load differential.
- 24", 30" and 36" wall mounted tray support with gusset

36" Shown

Vertical Hanger Splice Plates

Part Number
CM 653-CM 653-HDB

- Design Load is 1500#/pair Safety factor of 2.5.
- Furnished in pairs.
- Designed for use with either ½" threaded rod. (Order rod separately).

Heavy Duty Hold-Down Bracket

Part Number
CM 653-HDB

- Design load is 4,000#/pair.
- Four bolt attachment.
- Cable Tray attachment hardware is included. Hardware to attach the bracket to the substrate sold separately.
- Recommended for support of vertical pathways.

653 Aluminum Cable Tray Fittings
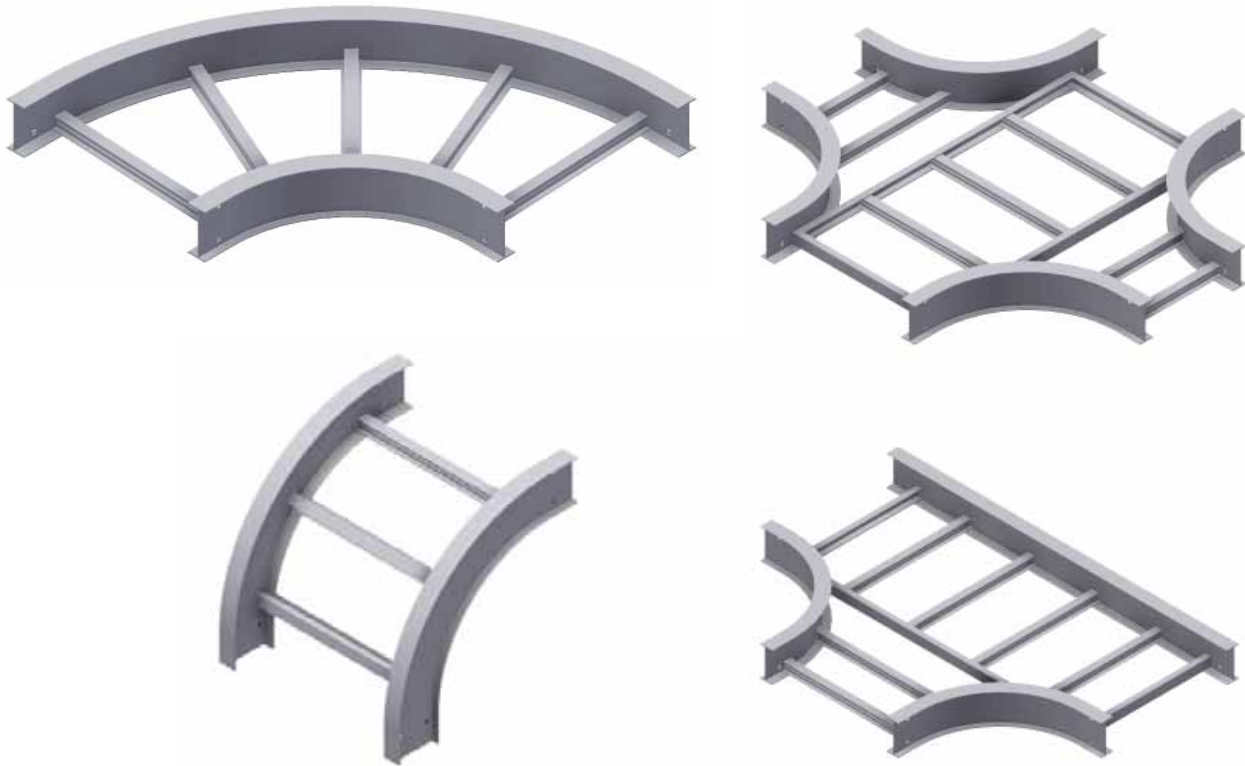
Fittings Part Numbering

Prefix
Example: CM 653 - L09 - 4 - 12 - 90 - HB - 12

Series	Type/Description	Side Rail Height	Width	Degree	Bend Description	Inside Radius
CM 653	L06 = Ladder 6" Rung Spacing	4 = 4"	06 = 6"	11.5	HB = Horizontal Bend	12
	L09 = Ladder 9" Rung Spacing	6 = 6"	09 = 9"	22.5	HT = Horizontal Tee	24
	L12 = Ladder 12" Rung Spacing		12 = 12"	30	HC = Horizontal Cross	36
	VT = Vented Trough Tray		18 = 18"	45	VI = Vertical Inside Bend	
	ST = Non-Vented Trough Tray		24 = 24"	75	VO = Vertical Outside Bend	
			30 = 30"	90		
			36 = 36"			

653 Aluminum Cable Tray Reducers
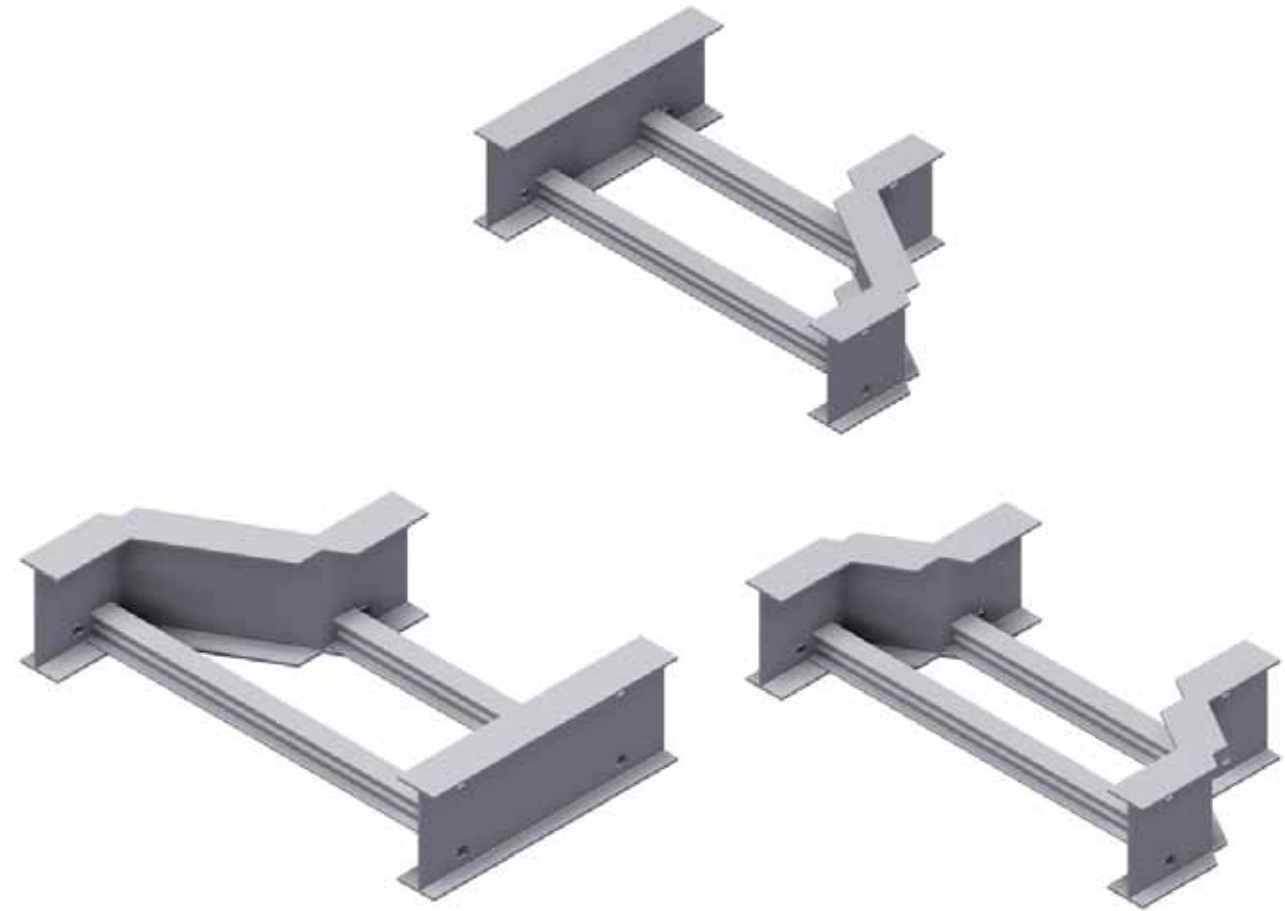
Horizontal Reducers Part Numbering

Prefix
Example: CM 653 - L09 - 4 - 09 - 18 - LR

Series	Type/Description	Side Rail Height	W1	W2	Fitting Code
CM 653	L06 = Ladder 6" Rung Spacing	4 = 4"	06	06	SR = Straight
	L09 = Ladder 9" Rung Spacing	6 = 6"	09	09	LR = Left Hand Reducer
	L12 = Ladder 12" Rung Spacing		12	12	RR = Right Hand Reducer
	VT = Vented Trough Tray		18	18	
	ST = Non-Vented Trough Tray		24	24	
			30	30	
			36	36	

Snake Tray® Cable Runway

Snake Tray now offers steel cable tray for high capacity applications in data centers, telecommunication rooms and any highly cabled facility. Our steel cable tray system is manufactured with structural quality steel to offer a high strength cable tray solution.

• All steel design for maximum strength.
• Available in 12", 18" and 24" widths.
• Easy ordering system
• Entirely Made in the USA

For details see Product Overview on pages 92-95.

610 Snake Tray® Cable Runway

Universal Cable Runway

Part Number	Description
CM 610-4-10	4"
CM 610-6-10	6"
CM 610-8-10	8"
CM 610-9-10	9"
CM 610-10-10	10"
CM 610-12-10	12"
CM 610-15-10	15"
CM 610-18-10	18"
CM 610-20-10	20"
CM 610-24-10	24"
CM 610-30-10	30"
CM 610-36-10	36"

Ideal pathway solution within telecommunications rooms.
TELCO-Style Cable Runway stringers are 1 1/2" x 3/8' and the
cross members are 1/2" x 1 welded.
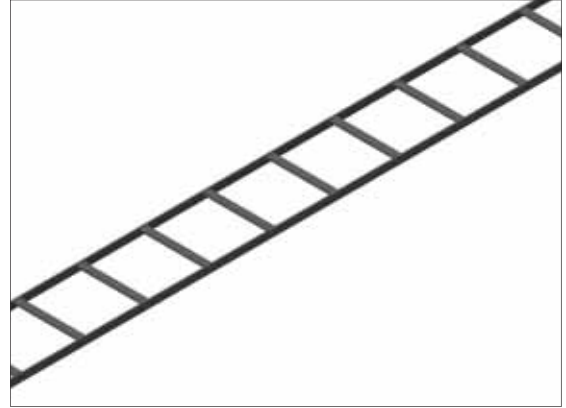
Rapid Ship Cable Runway Kit

Part Number	Description
CM 610-6-5-RSK	6"
CM 610-10-5-RSK	10"
CM 610-12-5-RSK	12"

The 5' (1524 mm) length of this cable runway is designed to meet
UPS requirements without additional charges.

Kit consist of:
- (2) 5' sections of cable runway
- (1) Butt Splice Kit
- Available in 12", 18" and 24" widths.

Rapid Ship Cable Runway Kit with Brackets

Part Number	Description
CM 610-6-5-RSBK	6"
CM 610-10-5-RSBK	10"
CM 610-12-5-RSBK	12"

The 5' (1524 mm) length of this cable runway is designed to meet
UPS requirements without additional charges.

Kit consist of:
- (1) 5' sections of cable runway
- (1) Wall Bracket
- (1) Rack Bracket
- Available in 12", 18" and 24" widths.

610 Snake Tray® Cable Runway & Accessories

Cable Runway Horizontal 90º

Cable Runway Horizontal 90º

Cable Runway Horizontal 90º

Part Number	Description
CM 610-4-90	4"
CM 610-6-90	6"
CM 610-8-90	8"
CM 610-9-90	9"
CM 610-90-90	10"
CM 610-12-90	12"
CM 610-15-90	15"
CM 610-18-90	18"
CM 610-20-90	20"
CM 610-24-90	24"
CM 610-30-90	30"
CM 610-36-90	36"

Creates a gradual bend in the horizontal plane of Cable Runway. Designed for cabling in conformance with the minimum bend radius requirements (typically 4 times the cable diameter). Made of lightweight tubular steel to fit a standard Cable Runway.

Cable Runway Vertical Bend

Cable Runway Vertical Bend

Part Number	Description
CM 610-4-VB	4"
CM 610-6-VB	6"
CM 610-8-VB	8"
CM 610-9-VB	9"
CM 610-VB-VB	10"
CM 610-12-VB	12"
CM 610-15-VB	15"
CM 610-18-VB	18"
CM 610-20-VB	20"
CM 610-24-VB	24"
CM 610-30-VB	30"
CM 610-36-VB	36"

• Creates a gradual bend for inside and outside bends
• Available in 12", 18" and 24" widths.

Cable Runway Corner Bracket

Cable Runway Corner Bracket

Part Number
CM 610-CB

Creates a radius for L, T, or X-shaped intersections of Cable Runway formed when two or more pieces of Cable Runway are connected together with the Junction-Splice Kit

Butt-Splice Kit

Butt-Splice Kit

Part Number	Description
CM 610-BSK	Straight Splice Kit

Connect two sections of runway end-to-end.
Kit consists of:
• (4) slice plates
• (2) $\frac{3}{8}$"-16 trimmed head bolts
• (2) $\frac{3}{8}$"-16 hex nuts
• (2) $\frac{3}{8}$" split lock washers

610 Snake Tray® Cable Runway Accessories

Junction-Splice Kit

Part Number	Description
CM 610-JSK	T - Splice Kit

Connect two sections of runway end-to-end.

Kit consists of:
- (4) Slice plates
- (2) ³/₈"-16 trimmed head bolts
- (2) ³/₈"-16 hex nuts
- (2) ³/₈" split lock washers

90° Runway-Splice Kit

Part Number	Description
CM 610-90-RSK	90º Connector Kit

Designed to butt-splice 1-½" Cable Runway at a 90º vertical angle.

Kit consist of:
- (2) 90º outside clamps
- (2) Inside edge clamps
- (2) ³/₈"-16 trimmed round head, square neck bolts
- (2) ³/₈"-16 hex nuts and lock washers

45° Runway-Splice Kit

Part Number	Description
CM 610-45-RSK	45º Connector Kit

Designed to butt-splice 1-½" Cable Runway at a 45º vertical angle.

Kit consist of:
- (2) 45º outside clamps
- (2) Inside edge clamps
- (2) ³/₈"-16 trimmed round head, square neck bolts
- (2) ³/₈"-16 hex nuts and lock washers

Cable Runway Wall Termination Kit

Part Number
CM 610-X-WTK

X DENOTES CABLE RUNWAY WIDTH

Kit consist of:
- (1) wall angle
- (2) ⁵/₁₆"-18" x 2-¼" J-bolts
- (2) ⁵/₁₆"-18 hex nuts
- (2) ⁵/₁₆"- lock washers

Cable Runway Rack Termination Kit

Part Number
CM 610-X-RBN

Rack Bracket
- Universal Mounting plate for data racks
- Installs in both orientations
- Come with all necessary mounting hardware

Kit consist of:
- (2) 45º outside clamps
- (2) Inside edge clamps
- (2) ³/₈"-16 trimmed round head, square neck bolts
- (2) ³/₈"-16 hex nuts and lock washers

610 Snake Tray® Cable Runway Accessories

Cable Runway Elevation Kit
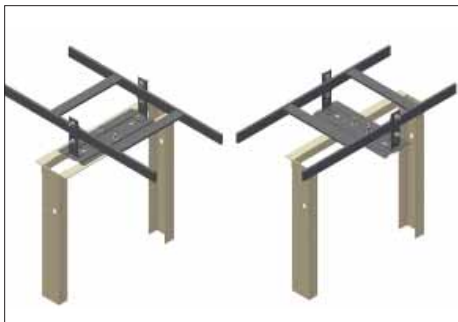
Part Number	Description
CM 610-RBN-ER	Rack Mounting and Lifting Kit
CM 610-CBN-ER	Cabinet Mounting and Lifting Kit

Supports cable runway above a continuous row of racks or cabinets of varying heights and provides additional space between the tops of the racks or cabinets and the cable runway.

Features
• Multiple ranges of incremental elevation
• Can be mounted perpendicular or parallel
• Rack kit includes a single pair of brackets and assembly hardware
• Rack kits attaches to the rack with a mounting plate (sold separately)
• Cabinet kits include two pairs of brackets and assembly hardware
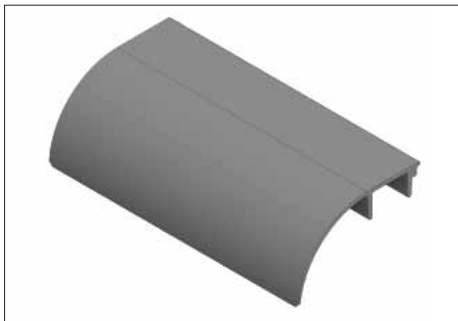
Cable Runway Radius Drop

Part Number	Description
CM 610-TO-6	6"
CM 610-TO-9	9"
CM 610-TO-12	12"
CM 610-TO-18	18"
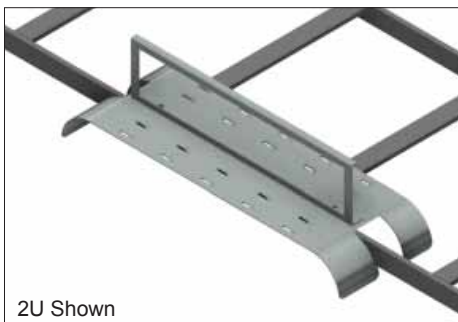
Patch Panel Adapter

Part Number	Description
CM 801-PP/19-1U	19" Patch Panel Bracket - 1U
CM 801-PP/19-2U	19" Patch Panel Bracket - 2U
CM 801-PP/19-3U	19" Patch Panel Bracket - 3U
CM 801-PP/19-4U	19" Patch Panel Bracket - 4U

CUSTOM SIZES AVAILABLE.

2U Shown

Power Distribution Module

Part Number	Description
CM 801-PM-XX	Customer Specified Power Distribution Module

The Power Distribution Module is the cornerstone of the Cable Runway power distribution system. It is available empty, or loaded with customer specified NEMA receptacles. It is also available pre-wired with MC cables to be carried by the Cable Runway and terminated at the electrical panel.

XX DENOTES CUSTOMER SPECIFIED POWER REQUIREMENTS.

Call the Snake Tray engineering team at 1-800-308-6788 to assist you with the power distribution configuration and part numbers.

Bonding Jumper

Part Number	Copper Wire Size	Ampacity
CM BJ-1	#1	600
CM BJ-1/0	4/0	1600
CM BJ-250	250 MCM	2000

• Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground. Sold individually.
• Installation hardware included.
• Bonding jumper is 16" long.

Splice plate
omitted for clarity

Snake Race Ways™

The 652 Series Snake Race Way is designed to protect and house runs of control and power cables. Used for cable and wire junction, distribution and termination where complete containment is required. The open design on one side allows for cables to be laid in safely along the entire run without pulling. A variety of lengths and fittings are available to accommodate many design requirements. All directional fittings are completed with factory built modules that maintain a wide 12" curved radius sweep minimizing any non-compliant bend radius for all types of cables.

Features:
- Constructed from 16 GA galvanized steel with ANSI 61 grey acrylic electro coated finish inside and out
- Raceways are phosphate washed prior to application of finish coat for extra surface bonding
- Heavy duty splices eliminate the need for gates,and   provide a solid connection between sections
- Hinged and screwed cover allow for easy entrance and lay-in of cables
- Available with or without knockouts on top and bottom sides
- All directional fittings are completed with factory built modules that maintain a wide 12" radius sweep maintaining compliant bend radii for all common cable types and sizes
- NEMA Type 1
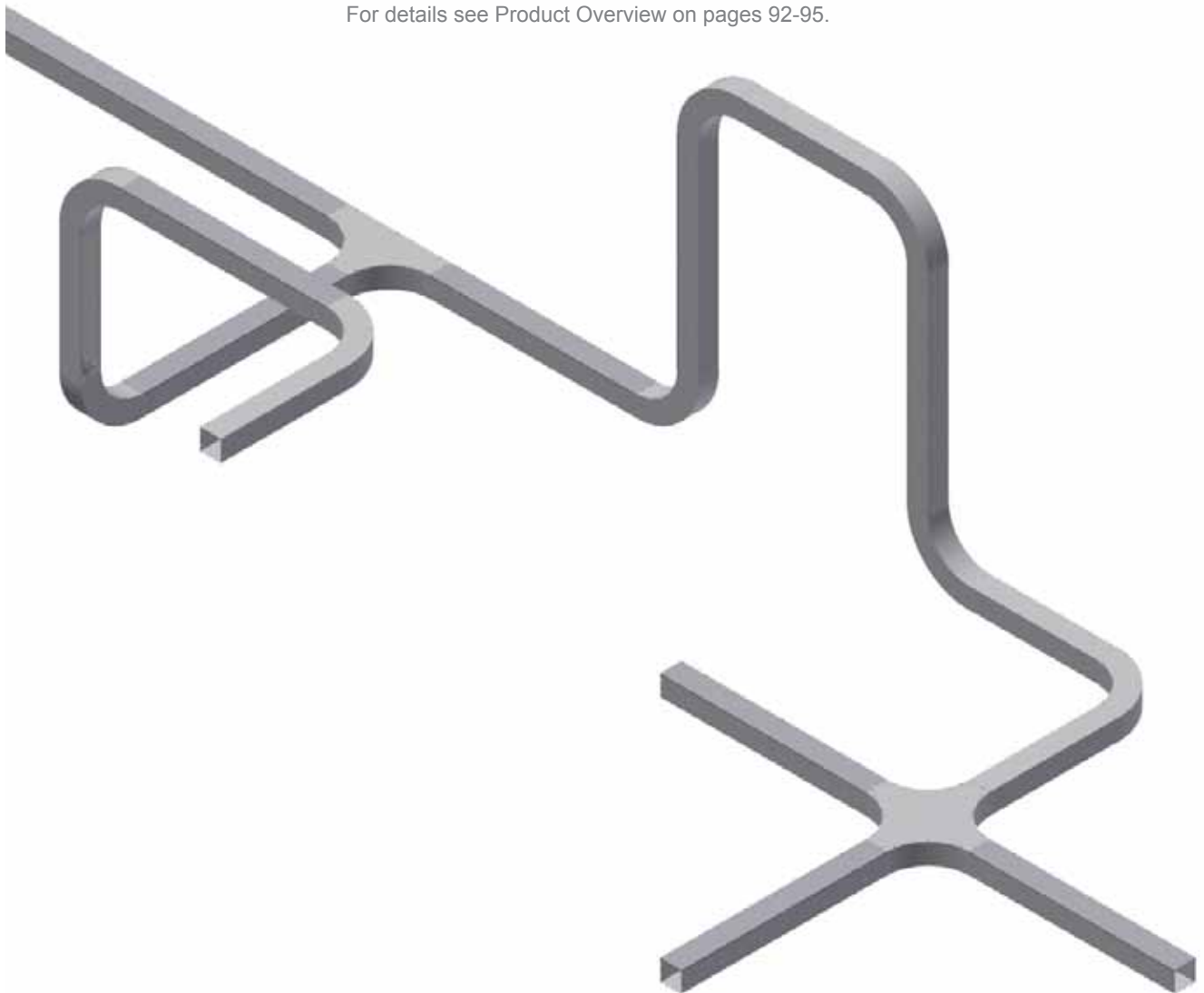
652 Series Snake Way Secured Pathway System

Part Number	Size
CM 652-6-6-120-H-PC-GY	6" x 6" x 10'

Applications:
Galvanized steel 6" x 6" x 10' wire way with a unique opening cover design allows cables to be safely installed along the entire run without pulling on the cable. Additional lengths and profiles are available. NEMA Type 1

Features:
- Large bend radius specifically designed to allow for the installation of fiber optic cable. All trays, T's and crosses come with a 12" inside radius
- Available with or without knockouts
- Unique hinged flat cover design
- Secure bolt together construction
- Constructed from 16 GA GA galvanized steel with customer specified powder coat finish available
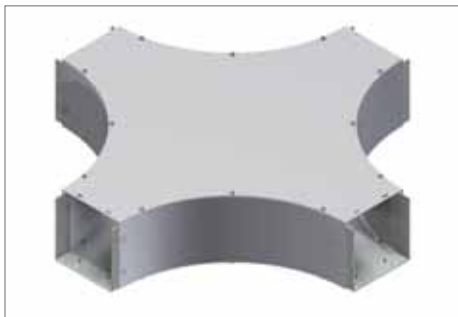
Part Number	Size
CM 652-6-6-CG-PC-GY	6" x 6" x 6" x 6" '4-way'

6" x 6" x 6" x 6" 4-way component. Constructed from 16 GA galvanized steel, phosphate dipped and powder coated ANSI 61 grey inside and out. Custom colors are available upon request. The curved 12" radius maintains proper bend radius for all cables especially control and fiber optics. Screwed covers are completely removable and permit total access necessary to lay cables without pulling. NEMA Type 1
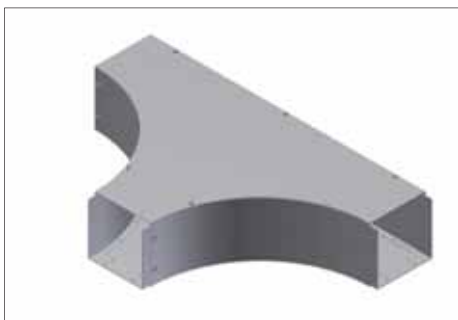
Part Number	Size
CM 652-6-6-T-PC-GY	6" x 6" x 6" "T"

6" x 6" x 6" "T" component. Constructed from 16 GA galvanized steel, phosphate dipped and powder coated ANSI 61 grey inside and out. Custom colors are available upon request. The curved 12" radius maintains proper bend radius for all cables especially control and fiber optics. Screwed covers are completely removable and permit total access necessary to lay cables without pulling. NEMA Type 1

Part Number	Size
CM 652-6-6-90-X-PC-GY	6" x 6" 90°

6" x 6" 90° component. Constructed from 16 GA galvanized steel, phosphate dipped and powder coated ANSI 61 grey inside and out. Custom colors are available upon request. The curved 12" radius maintains proper bend radius for all cables especially control and fiber optics. Screwed covers are completely removable and permit total access necessary to lay cables without pulling. NEMA Type 1

Part Number	Size
CM 652-6-6-45-X-PC-GY	6" x 6" 45°

6" x 6" 45° component. Constructed from 16 GA galvanized steel, phosphate dipped and powder coated ANSI 61 grey inside and out. Custom colors are available upon request. The curved 12" radius maintains proper bend radius for all cables especially control and fiber optics. Screwed covers are completely removable and permit total access necessary to lay cables without pulling. NEMA Type 1

MC Snake Tray®

Manage MC Cables in Minutes!

MC Snake Tray is hand bendable and specifically designed to manage MC cables overhead or on walls. Its patented built-in mounting rings allow for quick installations to concrete decks utilizing a traditional pole gun. Once installed, MC Snake Tray allows for fast installation of MC cables from the ground with Snake Tray's adjustable installation pole. There's never a need to step on a ladder making it the safest and quickest solution for MC cables!

- Hand bendable to accommodate directional changes and obstacles in the cable pathway

- Trays connect together with single connector (CB-10 or CB-12)
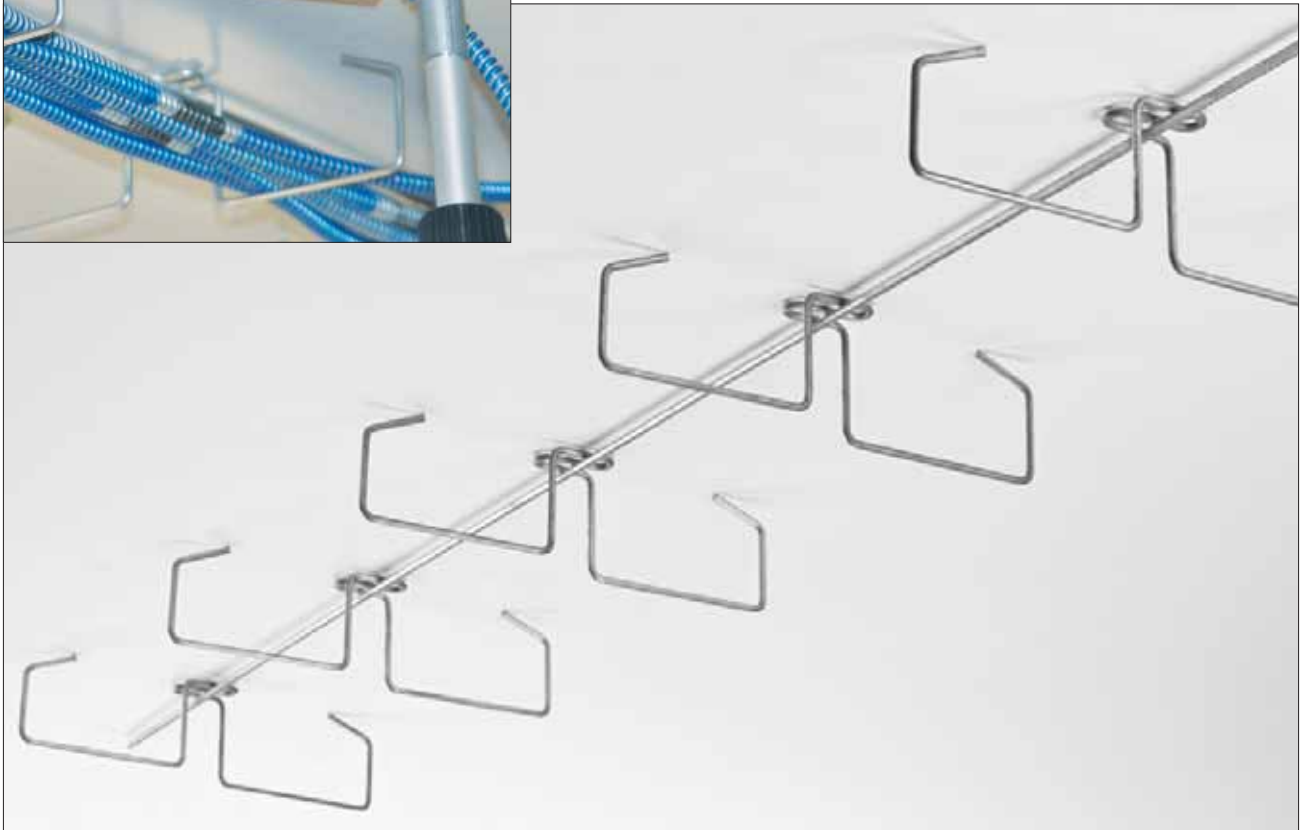
- Built-in mounting rings for quick installation overhead

- Lay MC cables into MC Snake Tray from the ground with an adjustable pole (No ladder required!)

- Trays nest together for easy handling and low cost shipping

701 Series MC Snake Tray®
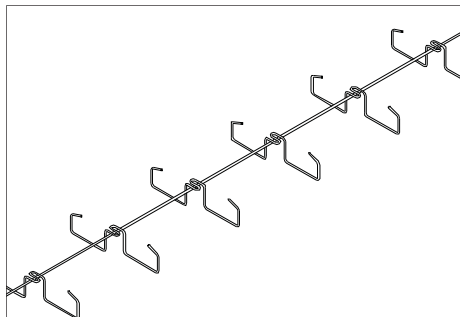
MC Snake Tray Double Pocket

Part Number	Size (Each Pocket)
CM 701-25D-10	2" H x 5" W x 10' L
CM 701-210D-10	2" H x 10" W x 10' L

MC SNAKE IS DESIGNED TO BE SUPPORTED EVERY FIVE (5) FEET

CM 701-25D-10

CM 701-210D-10
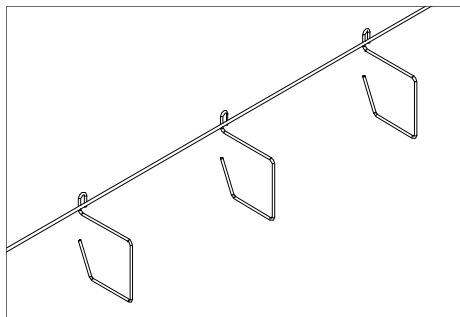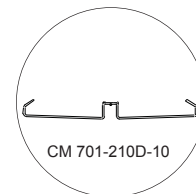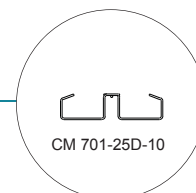
MC Snake Wall Mount

Part Number	Size
CM 701-6-6-112-WM	6" H x 6" W x 10' L

Hand bendable cable tray designed to secure MC Cable Wall Mount.

MC SNAKE IS DESIGNED TO BE SUPPORTED EVERY FIVE (5) FEET
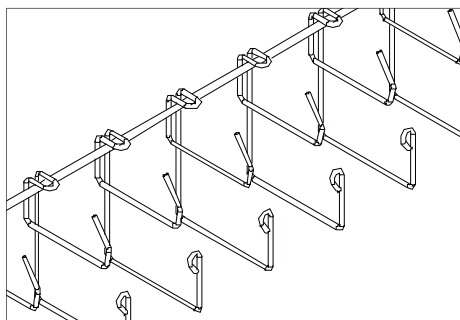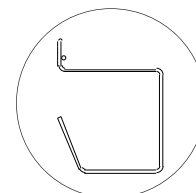
MC Snake Double Tier (Both Data and MC Cables)

Part Number	Size
CM 701-SK-0269	Upper Pathway 2.2" H x 4.5" W x 10' L
	Lower Pathway 3" H x 5" W x 10' L

Hand bendable cable tray double tier upper level for MC Cable, lower level for data cable.

MC SNAKE IS DESIGNED TO BE SUPPORTED EVERY FIVE (5) FEET
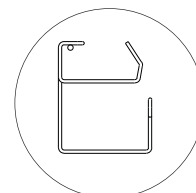
MC Snake Tray Adjustable Pole for Installing MC

Part Number	Size
CM 701-MCPOLE	8' to 14' L

Adjustable light weight MC Pole allows easy installation of MC Cable in 701 series MC Tray with out the use of ladders.

Connectors

Part Number	Description
CB-10	Universal Tray Connector Split Bolt
CB-12	Universal Tray Connector Inline Bolt

CB-10   CB-12

Rail Snake Tray®

Rapid Installations for Rapid Transit!

Installs As Fast As 900 Feet per Hour!

Snake Tray manufactures a series of innovative cable management solutions for transit, rail and tunnel authorities. Our patented cable tray systems are hand bendable which substantially reduce the time and cost for installations. Customers tell us that Snake Tray installs as fast as 900 feet per hour! Our engineering team can work with you to design the exact cable tray solution for your application. We proudly manufacture all of our products in the USA.

Snake Tray® Recent Rail and Transit Projects

Chicago Transit Authority

Edmonton Transit System

London Tube

Massachusetts Bay Transportation Authority

Metro North, New York

Moffet Tunnel, Union Pacific Rail Road, Colorado

New Jersey Path

Toronto Transit Commission

Union Pacific

Rail Snake Tray® Benefits

Just Bend It
- Faster, easier onsite installation with no fabrication

- No additional parts or tools to buy

Built-In Mounting/Hanging Hardware
- Reduces costs

- No additional hardware required

Single Connection
- Connect cable trays together in 15 seconds with a single connector bolt

- One connection creates mechanical/electrical bond and creates a high frequency drain

Cable Path
- Available in single or double pocket sizes specific to the customer's needs

- 8 or 10-foot lengths

Trays Nest Together
- Lower freight costs to ship

- Less material handling

Open Architecture
- Load cable from any direction

Twenty-four-hour customer service

UL and cUL listed

205 & 405 Series Rail Snake Tray®

205 Series Rail Snake for Overhead/Under Platforms
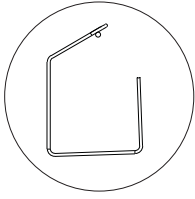
Part Number	Size
CM 205-SK-0207-10-SS-304	6" W x 6" H x 10' L

This hand bendable cable tray is mounted overhead to the tunnel or under platforms. Trays have built-in mounting rings and can be customized to fit the radius of any tunnel.

FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
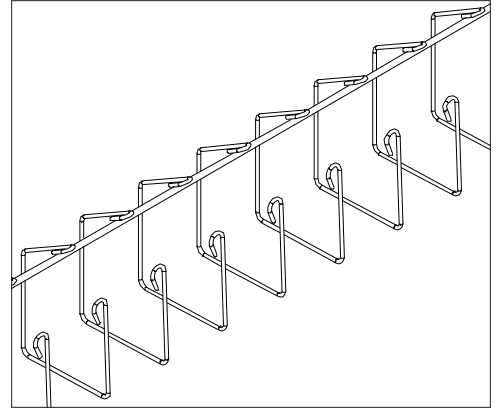
205 Series Rail Snake Double Pocket
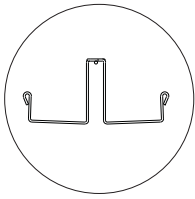
Part Number	Size
CM 205-SK-0201-10-SS-304	3" W x 6" H x 10' L

This hand bendable double pocket cable tray is mounted overhead to the tunnel or under platforms. Trays have built-in mounting rings and can be customized to fit the radius of any tunnel.

FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
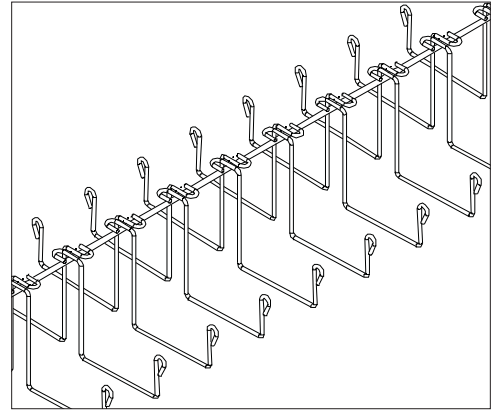
405 Series Rail Snake Messenger Wire
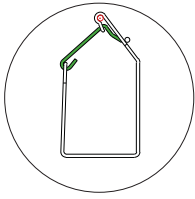
Part Number	Size
CM 405-65-10-MW-SS-304	6" W x 5" H x 10' L

This hand bendable cable tray is mounted onto the messenger wire. Trays have mounting system built-in and can be customized to fit the radius of any tunnel.

FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
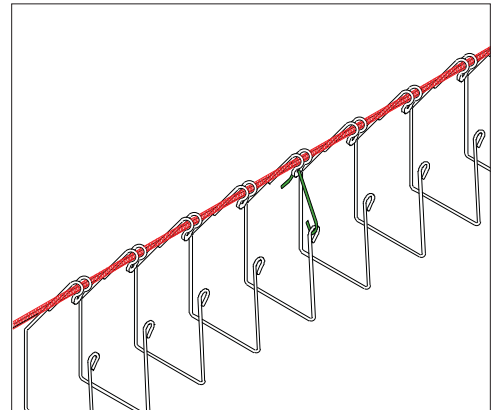
405 Series Rail Snake Messenger Wire
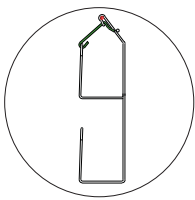
Part Number	Size
CM 405-65-OU-D-10-MW-SS304	6" W x 5" H x 10' L

This hand bendable double pocket cable tray is mounted onto the messenger wire. Trays have mounting system built-in and can be customized to fit the radius of any tunnel.

Shown with Optional Wind Clip

FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
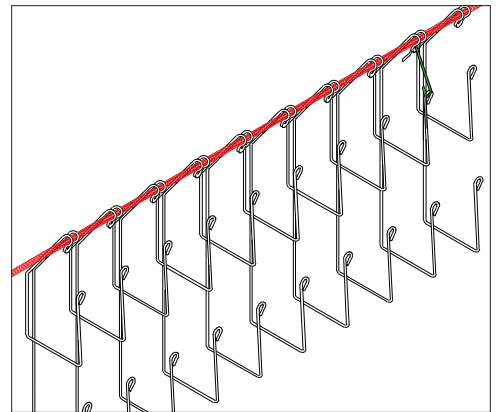
505 Series Rail Snake Tray® We engineer to the allowable train envelope.
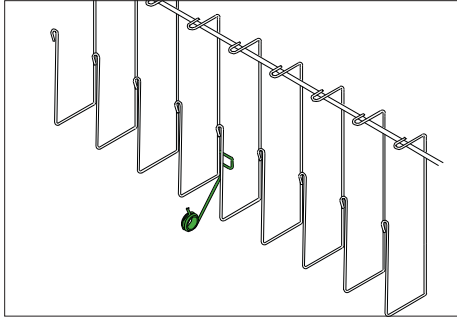
505 Series Rail Snake for Walls or Tunnels

Part Number	Size
SK-0131-SS-304	4" W x 8" H x 10' L

This hand bendable cable tray is designed to be flush mount on the wall of a tunnel. It can come in a single or double pocket model and can include a "monkey tail" to accommodate radio transmission cables that need to be isolated. Trays have mounting rings built-in for easy installation using concrete anchor.
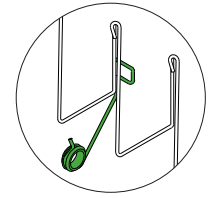
FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
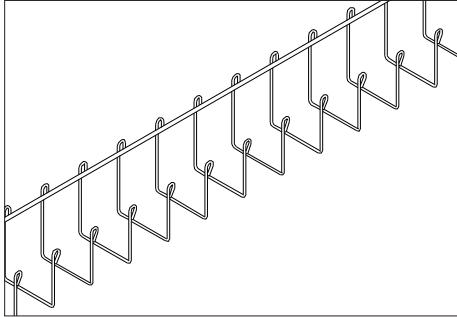
505 Series Rail Snake for Walls or Tunnels

Part Number	Size
CM 505-44-10-SS-304	4" W x 4" H x 10' L

This hand bendable cable tray is designed to mount on walls or tunnels.
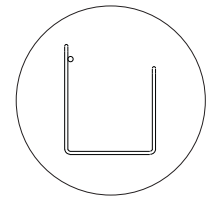
FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
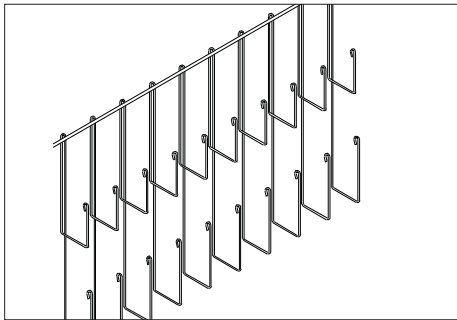
505 Series Rail Snake for Walls or Tunnels

Part Number	Size
CM 505-44-10-OU-D-SS-304	4" W x 4" H x 10' L Each Pathway

This hand bendable cable tray is designed to mount on walls or tunnels and offers two cable pathways.
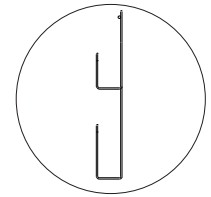
FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
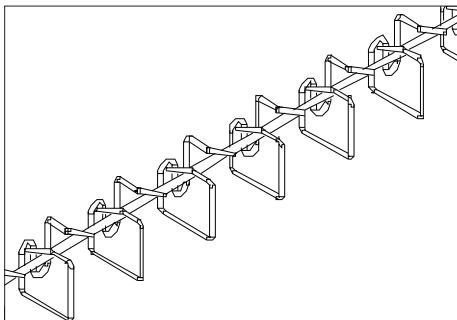
Bungalow Snake

Part Number	Size
CM 407-22-10-90-S3-SS-304	2" W x 2" H x 10' L

This hand bendable cable tray with patented "lobster trap" design secures signal and control cables within wayside shelters.
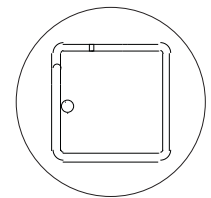
FINISHES: STAINLESS STEEL(SS) 304/316 ALLOY
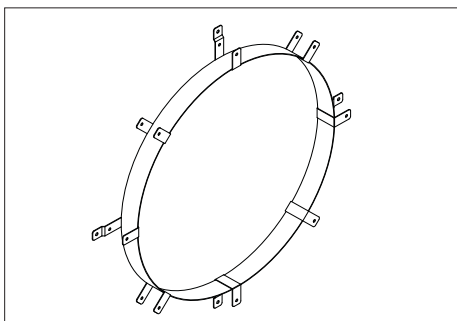
Snake Hoop™ - Fiber Optic Service Loop

Part Number	Size
SK-0135-24	Service Loop, 24" Diameter
SK-0135-36	Service Loop, 36" Diameter

Wall or ceiling mount service loop for fiber optic cables. Available in stainless steel and steel powder coat epoxy. Other sizes available upon request.

Solar Snake Tray®

Cable Management for Solar Installations that Drastically Lowers Installation Costs!

The world's only weatherproof, hand-bendable cable conveyance that quickly and securely carries DC circuitry from solar panels to their terminations. Change directions easily by bending Solar Snake Tray with your own two hands.

- Built-in mounting rings for infinite mounting options

- Trays connect together with a single connector for a 15-second bonded attachment tray to tray

- Patented "lobster trap"design, ensures effortless outdoor cable installation, while trapping and protecting the cables from hurricane force winds over 120 mph

  For details see Product Overview on pages 92-95.

- Maintains NEC compliance, and eliminates the risk of using cable ties

- Trays stack together for lower shipping and material handling costs

- Available in Powder Coated Gray and Stainless Steel for climate specific applications

407 Series Solar Snake Tray®

Solar Snake Tray Hand-Bendable Cable Conveyance (Other sizes available)

	Part Number	Size	Description
Side Mount 2" × 2"	CM 407-22-10-90-PC-GY-S6	2" x 2" x 10'	Power Coated Gray with 90° mount
	CM 407-22-10-90-SS-S6		Stainless Steel with 90° mount
Bottom Mount 2" × 2"	CM 407-22-10-180-PC-GY-S6	2" x 2" x 10'	Power Coated Gray with 180° mount
	CM 407-22-10-180-SS-S6		Stainless Steel with 180° mount
Side Mount 3" × 3"	CM 407-33-10-90-PC-GY-S6	3" x 3" x 10'	Power Coated Gray with 90° mount
	CM 407-33-10-90-SS-S6		Stainless Steel with 90° mount
Bottom Mount 3" × 3"	CM 407-33-10-180-PC-GY-S6	3" x 3" x 10'	Power Coated Gray with 180° mount
	CM 407-33-10-180-SS-S6		Stainless Steel with 180° mount
Side Mount 3" × 4"	CM 407-34-10-90-PC-GY-S6	3" x 4" x 10'	Power Coated Gray with 90° mount
	CM 407-34-10-90-SS-S6		Stainless Steel with 90° mount
Bottom Mount 4" × 3"	CM 407-34-10-180-PC-GY-S6	4" x 3" x 10'	Power Coated Gray with 180° mount
	CM 407-34-10-180-SS-S6		Stainless Steel with 180° mount
	CB-12-SS		Stainless Steel Connector Bolt
	CB-8	Up to #2 AWG	Tin plated grounding connector

FOR BEST RESULTS IT IS RECOMMENDED THAT SNAKE TRAY BE SUPPORTED EVERY FOUR (4) TO (5) FIVE FEET

Solar Snake®Series Accessories

Snake Tray Solar Rack Interface Plates

Snake Tray manufactures a complete line of interface plates to attach Solar Snake Tray to any manufacturer's solar mounting racks for ground or roof mount applications.

PLEASE CALL 800-308-6788 TO IDENTIFY THE RIGHT INTERFACE PLATE FOR YOUR PROJECT.

Snake Tray Ballasted Roof Mount Anchor for Cable Trays and Conduit

Part Number	Description
CM 407-SF-1	Universal Ballasted Roof Top Anchor
CM 407-SF-4	Ballasted Roof Top Anchor

Snake Tray's Snake Foot ballasted roof mount anchors use common cement block ballasts to support Solar Snake cable tray, carrying PV cables from solar arrays to combiner boxes and inverters. Snake Foot is also available with a strut mount system as well as many custom brackets to attach virtually any roof top ballasted component. Padding on base protects roof membranes.

CM 407-SF-1 with bracket for Solar Snake Tray
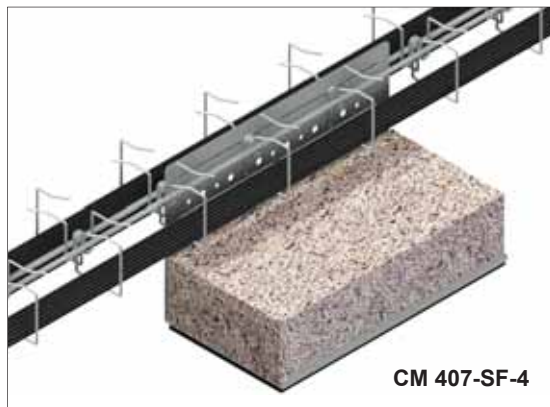
CM 407-SF-4
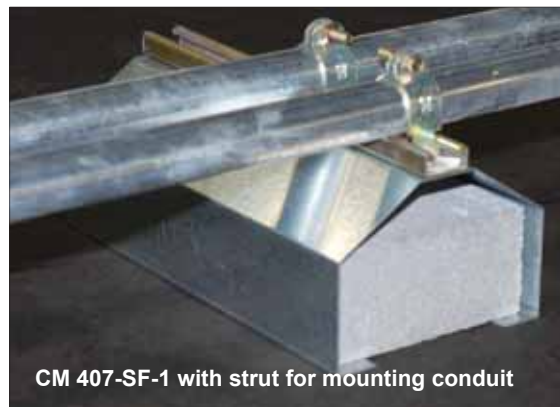
CM 407-SF-1 with strut for mounting conduit

Solar Snake® Series Accessories

Solar Snake Charmer Cable Manager

Part Number	Description
CM 407-SC	Solar Snake Charmer

This is the long-awaited solution for inspector's request to get connectors and cables out of water and snow on rooftops. Snake Charmer snaps into place under the panel to carry connectors safely and securely at the rear of the panel. No tools required.

Solar Snake® Tray Covers

Part Number	Description
CM 407-22-C-60	Cover for 2" x 2" Solar Snake Tray
CM 407-33-C-60	Cover for 3" x 3" Solar Snake Tray
CM 407-34-C-60	Cover for 3" x 4" Solar Snake Tray, 3" x 4" orientation
CM 407-43-C-60	Cover for 3" x 4" Solar Snake Tray, 4" x 3" orientation

The 60-inch long covers give cabling an added layer of protection.

Constructed of galvanized sheet steel. Air slots allow for ventilation.

NEW PRODUCT
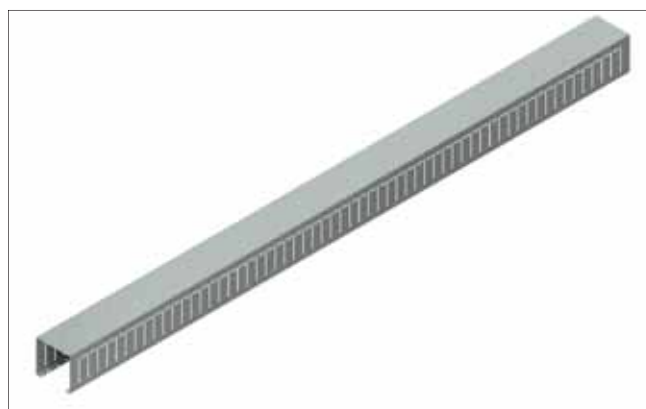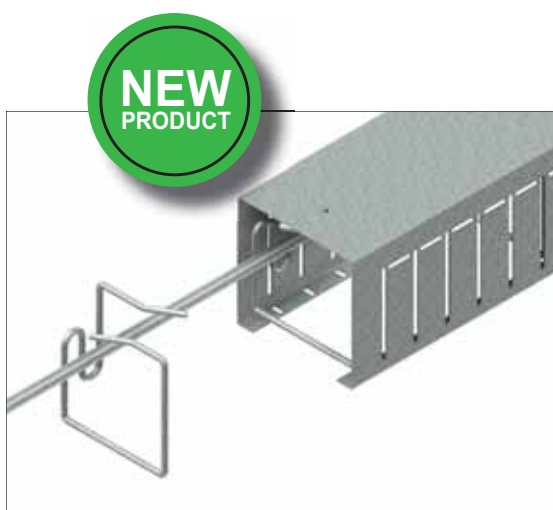
Utility-Grade Solar Snake Tray®

Solar Snake Tray for Fixed Tilt Arrays

CM 407-SK-0516-10-PC-GY-S12
Cable Turnout

CM 407-SK-0515-10-PC-GY-S12
Cable Turnout

Part Number	Description
CM 407-SK-0516-10-PC-GY-S12	4 ¾" x 1 $^3/_8$" tray for 15° tilt rack
CM 407-SK-0515-10-PC-GY-S12	Double 4 ¾" x 1 $^3/_8$" tray for 15° tilt rack
CM 407-SK-0515-16-TO	Cable Turnout

- Next generation of Solar Snake Tray developed specifically for large-scale ground-mounted plants
- Like original Solar Snake, it is bendable, has integrated easy mounting points, and nests for reduced material handling
- Mounts to the Z or C purlin of any racking system.
- Different versions manage string cables, feeder cables, or both
- In use by major EPC around the US and globally.
  For other sizes and rack configurations, please contact Snake Tray Engineering at 1-800-308-6788.

Solar Snap Snake Tray for Structural Pipes

When fixed-tilt arrays use commercial pipe for horizontal structural members, Solar Snap Snake Tray for Structural Pipes snaps on to those pipes to provide easy, inexpensive wire management for string and feeder cables run under the panels.

NEW PRODUCT
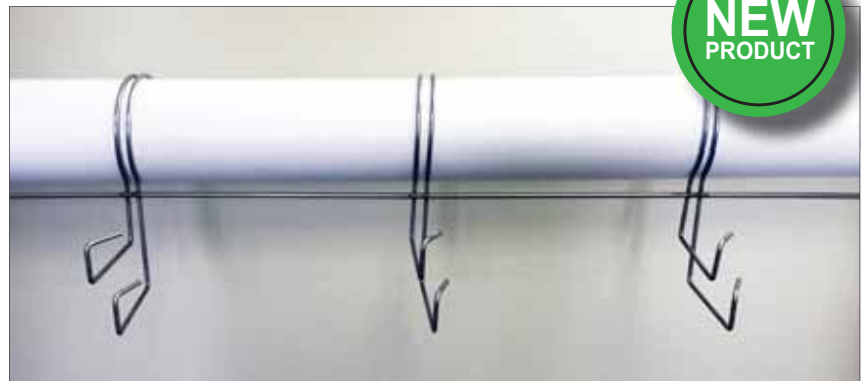
Part Number	Description
CM 407-155-10-SN2P-PC-GY-S12	Single 1 ½" x 5" nominal pocket for 2-inch pipe
CM 407-155-10-SN3P-PC-GY-S12	Single 1 ½" x 5" nominal pocket for 3-inch pipe
CM 407-155-10-SN4P-PC-GY-S12	Single 1 ½" x 5" nominal pocket for 4-inch pipe
CM 407-155D-10-SN2P-PC-GY-S12	Double 1 ½" x 5" nominal pocket for 2-inch pipe
CM 407-155D-10-SN3P-PC-GY-S12	Double 1 ½" x 5" nominal pocket for 3-inch pipe
CM 407-155D-10-SN4P-PC-GY-S12	Double 1 ½" x 5" nominal pocket for 4-inch pipe

For Ground-Mounted Plants

Solar Messenger Wire Snake Tray
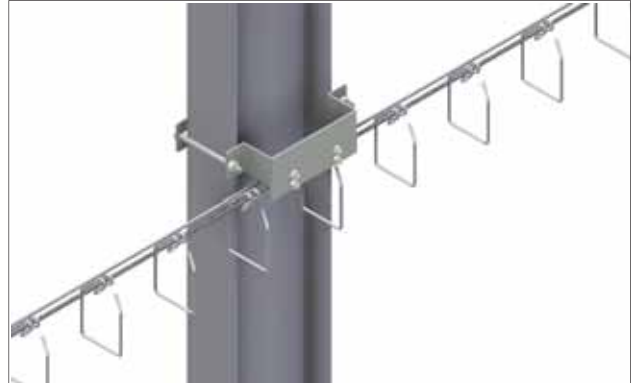
Part Number	Description
CM 407-25-3-MW-PC-GY-S6	2.5" x 3" Messenger-wire Solar Snake Tray
CM 407-55-MW-PC-GY-S6	5" x 5" Messenger-wire Solar Snake Tray

- Significantly reduced installation cost when compared to traditional methods such as trenching
- Suspended from a messenger wire fixed to the beams of any plant, does not require any additional support
- Suitable for the larger AC or DC feeder cables as well as the string cables on single axis tracker plants
  For other sizes and beam mounting hardware, please contact Snake Tray Engineering at 1-800-308-6788.

Solar Snap Snake Tray for Messenger Wire

NEW PRODUCT
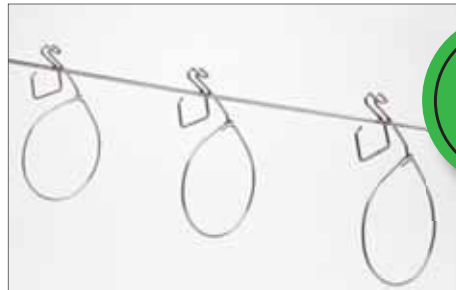
Part Number	Description	Finishes
CM 407-12-5SN-OU-D-10-MW	1 x 2" pocket for string cables, 5" diameter snap pocket for feeder cables.	SS/PC-GY

Solar Snap Snake Tray is the latest development in cable management for single access tracker plants. It is a code-compliant solution to manage all of the different cables required to run the plant. Its patented design can support any cable schedule. The upper pocket holds the string cables, and the spring-loaded snap hoop holds feeder cables.

For other sizes and beam mounting hardware, please contact Snake Tray Engineering at 1-800-308-6788.

Universal In-line Connector Bolt for Utility Solar Trays

Part Number
CB-14-SS

ONE CB-14 REQUIRED PER CONNECTION.

Smaller size accommodates the smaller spines of utility solar trays. Provides a mechanical and a bonded electrical connection when joining tray sections to one another.

Solar Mega Snake®

Cable Management for DC and AC Feeder Cables

- Built-in mounting rail for attaching accessories including combiner boxes

- Nests together for economical shipping and easy material handling

- Available in Power Coated Gray and Stainless Steel for climate specific applications

Straight Sections

Part Number	Depth/Width /Length	Cable Capacity (0.25 OD Cable)
CM 801-4-6-10	4" x 6" x 10'	250
CM 801-2-12-10	2" x 12" x 10'	250
CM 801-4-12-10	4" x 12" x 10'	440
CM 801-6-12-10	6" x 12" x 10'	670
CM 801-2-18-10	2" x 18" x 10'	375
CM 801-4-18-10	4" x 18" x 10'	750
CM 801-6-18-10	6" x 18" x 10'	1,100
CM 801-2-24-10	2" x 24" x 10'	490
CM 801-4-24-10	4" x 24" x 10'	980
CM 801-6-24-10	6" x 24" x 10'	1,470

FOR BEST RESULTS IT IS RECOMMENDED THAT MEGA SNAKE BE SUPPORTED EVERY (5) FIVE FEET

FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)
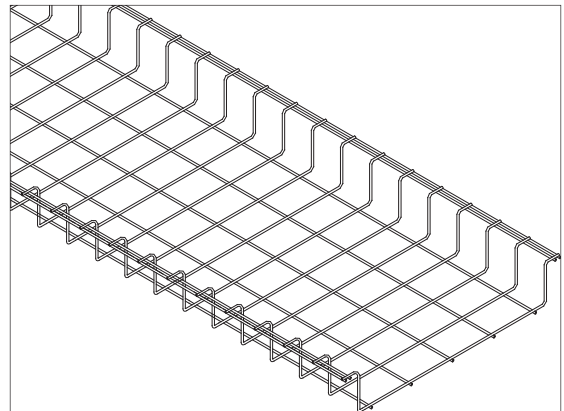
90°Turns

Part Number	Description
CM 801-4-6-90	4" D x 6" W 90° Turn
CM 801-2-12-90	2" D x 12" W 90° Turn
CM 801-4-12-90	4" D x 12" W 90° Turn
CM 801-6-12-90	6" D x 12" W 90° Turn
CM 801-2-18-90	2" D x 18" W 90° Turn
CM 801-4-18-90	4" D x 18" W 90° Turn
CM 801-6-18-90	6" D x 18" W 90° Turn
CM 801-2-24-90	2" D x 24" W 90° Turn
CM 801-4-24-90	4" D x 24" W 90° Turn
CM 801-6-24-90	6" D x 24" W 90° Turn

FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)
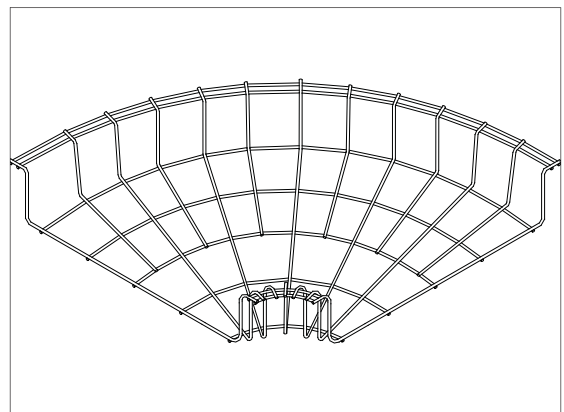
801 Solar Mega Snake®
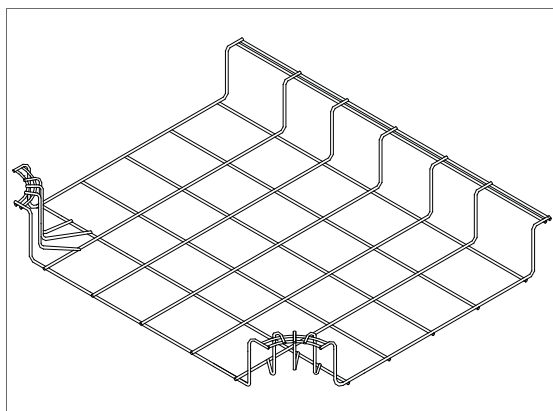
Crossing Grid

Part Number	Description
CM 801-4-6-T	4" D x 6" W T-Section
CM 801-2-12-T	2" D x 12" W T-Section
CM 801-4-12-T	4" D x 12" W T-Section
CM 801-6-12-T	6" D x 12" W T-Section
CM 801-2-18-T	2" D x 18" W T-Section
CM 801-4-18-T	4" D x 18" W T-Section
CM 801-6-18-T	6" D x 18" W T-Section
CM 801-2-24-T	2" D x 24" W T-Section
CM 801-4-24-T	4" D x 24" W T-Section
CM 801-6-24-T	6" D x 24" W T-Section

FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)

T-Section
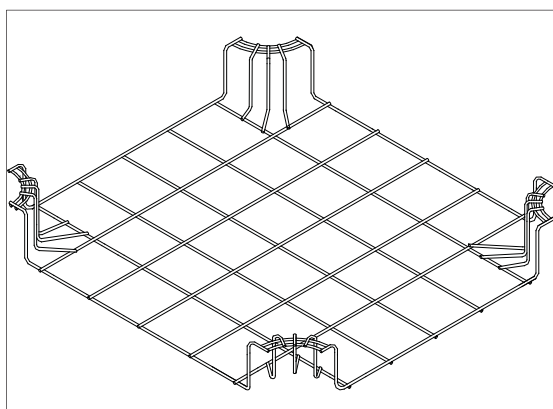
Part Number	Description
CM 801-4-6-CG	4" D x 6" W 4-Way Crossing Grid
CM 801-2-12-CG	2" D x 12" W 4-Way Crossing Grid
CM 801-4-12-CG	4" D x 12" W 4-Way Crossing Grid
CM 801-6-12-CG	6" D x 12" W 4-Way Crossing Grid
CM 801-2-18-CG	2" D x 18" W 4-Way Crossing Grid
CM 801-4-18-CG	4" D x 18" W 4-Way Crossing Grid
CM 801-6-18-CG	6" D x 18" W 4-Way Crossing Grid
CM 801-2-24-CG	2" D x 24" W 4-Way Crossing Grid
CM 801-4-24-CG	4" D x 24" W 4-Way Crossing Grid
CM 801-6-24-CG	6" D x 24" W 4-Way Crossing Grid

FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)

Size Adapters

Part Number	Description
CM 801-2-R6	2" x 12" to 2" x 18" or 2" x 12" to 2" x 24"
CM 801-2-R12	2" x 12" to 2" x 24"
CM 801-4-R6	4" x 12" to 4" x 18" or 4" x 18" to 4" x 24"
CM 801-4-R12	4" x 12" to 4" x 24"
CM 801-6-R6	6" x 12" to 6" x 18" or 6" x 18" to 6" x 24"
CM 801-6-R12	6" x 12" to 6" x 24"
CM 801-2/4-R6	2" x 12" to 4" x 18" or 2" x 18" to 4" x 24"
CM 801-2/4-R12	2" x 12" to 4" x 24"
CM 801-4/6-R6	4" x 12" to 6" x 18" or 4" x 18" to 6" x 24"
CM 801-4/6-R12	4" x 12" to 6" x 24"
CM 801-2/6-R6	2" x 12" to 6" x 18" or 2" x 18" to 6" x 24"
CM 801-2/6-R12	2" x 12" to 6" x 24"

Transition from one size Mega Snake to another.
FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)

801 Solar Mega Snake® Accessories

Splice Kit

Part Number	Description	Finish
CM 801-SP	Mega Snake Splice Kit (2 splice plates per kit)	SS

FINISH: STAINLESS STEEL (SS)

Splice kit maintains a continuous electrical bond throughout the Mega Snake system.

Mega Snake Air Separator

Part Number	Description	Finish
CM 801-AS-12-001	Air Separator for 12" wide Mega Snake Top	G/SS/PC-GY
CM 801-AS-12-002	Air Separator for 12" wide Mega Snake Bottom	G/SS/PC-GY
CM 801-AS-18-001	Air Separator for 18" wide Mega Snake Top	G/SS/PC-GY
CM 801-AS-18-002	Air Separator for 18" wide Mega Snake Bottom	G/SS/PC-GY

FINISHES: MECHANICALLY APPLIED GALVANIZED FINISH (G), STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY)

This auxiliary component attaches directly to the Mega Snake's mounting rail to provide code compliant separation between high ampacity conductors. Can be configured to the customer's specific cable schedule.
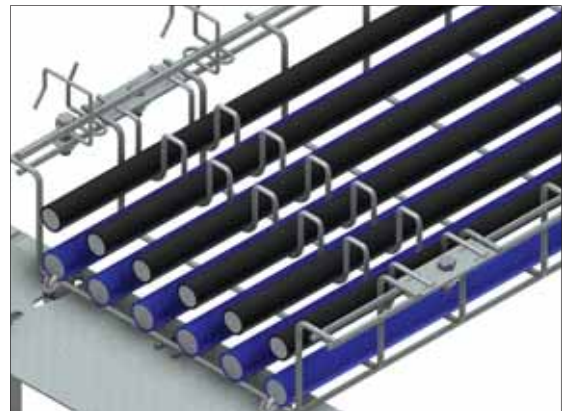
Mega Snake Tray Support

Part Number	Finish
CM 801-FST-XX	SS/PC-GY

XX DENOTES HEIGHT

FINISHES: STAINLESS STEEL (SS), POWDER COATED GRAY (PC-GY

This Cable tray support is available in many heights to accommodate customer's requirements.
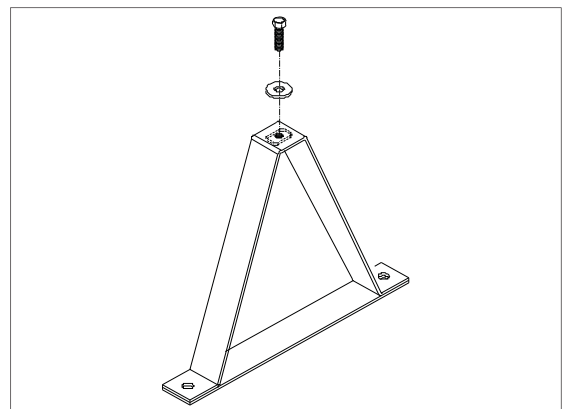
Snake Tray®
Solar Panel Ice Guard

Part Number	Description
CM 407-IG-10-PC-GY	Solar Panel Ice Guard - 10 ft Section
CM 407-10-10953	Universal Mounting Bracket

Ice Guard for solar panels prevents injuries due to falling ice. Snake Tray's Ice Guard easily mounts to the frame of any solar panel. It is a great safety solution for areas with pedestrian traffic including parking lots and train stations where injuries could occur.

NEW
PRODUCT
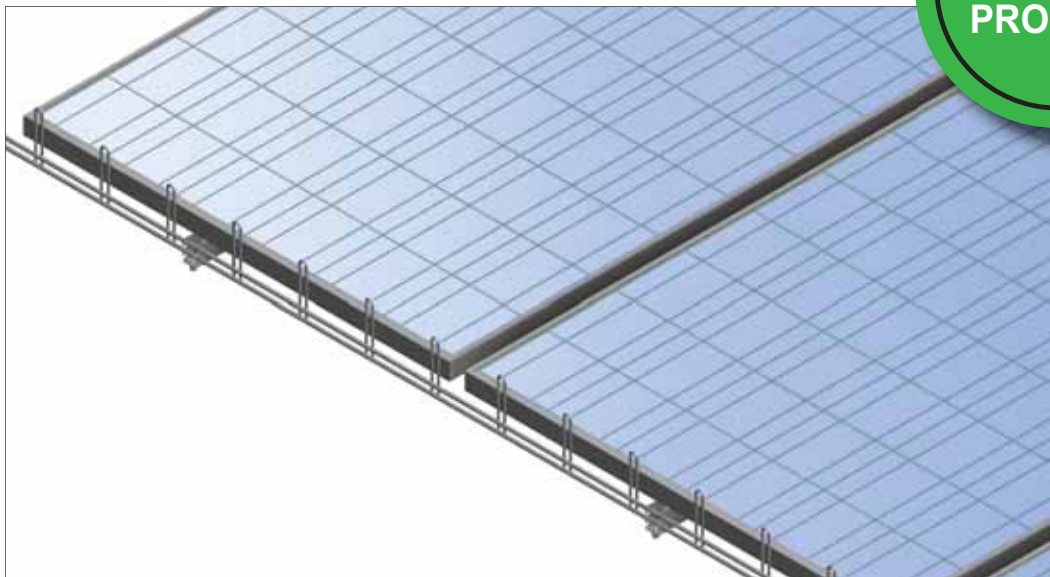
Snake Bus®

Power Up the Possibilities!

Enjoy big cost savings with the fastest, most flexible Power Distribution Solution!

Snake Bus is a modular power distribution system that offers the most flexibility in power distribution for workstations, call centers, trading floors and data centers.

Standard post and panel.

Fast
Traditional methods of hard wiring equipment are eliminated. Snake Bus' pre-configured components allow you to instantly create your power distribution system.

Energy Efficient
Snake Bus' innovative bus bar technology is more efficient than traditional copper wire. Bus bar technology experiences less voltage drop which can save on energy consumption.

Flexible
Installations, adds, moves and changes are easily done with the Snake Whips (tap offs) that deliver power to individual devices anywhere along the track and can be moved with a 10 second connection.

Powerful
Snake Bus' three-phase advantage delivers 50 Amp 3-Phase 208 Volt providing up to 17.5 Kilowatts of power in one easy-to-install track.

Call the Snake Tray engineering team to assist you with the creation of cable management or power distribution designs, drawing sets, bill of materials, submittals, BIM and Revit® support.

Pre-wired power distribution for access floors!

Infinite moves, adds and changes.

Compatible
Snake Bus is compatible with all post and panel raised floor systems, as well as low profile access floors.

Convenient
Together, Snake Bus Feed modules and power track sections are quickly coupled together with the included splice component creating a complete power distribution solution for the raised floor environment. Individual power modules are then attached to the Snake Bus track system making installation and retrofits simple and easy for both large and small scale installations.

Functional
Provides both the equipment and isolated earth ground in one single system.

Sleek
Snake Bus' slim profile fits in a space less than 2 1/2-inches in height allowing for proper airflow under an access floor. The flexibility of the linear design complements workstation and data center layouts.

Green
Snake Bus uses approximately 30% less copper than traditional wiring methods. The system is completely reusable and moveable.

NRTL Listed to UL 183
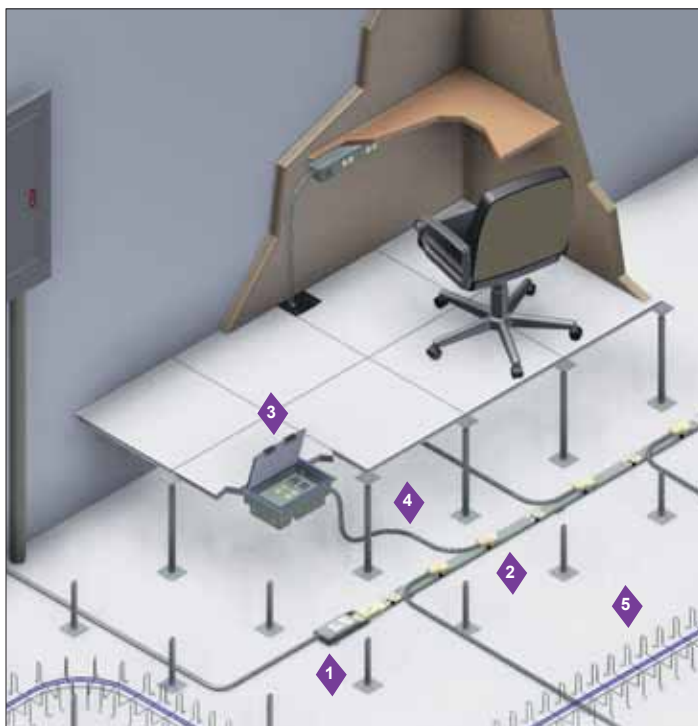
1 Snake Bus Feed Module is hard wired to the building's electrical system supplying 3 phase, 50 amp power to the tracks.

2 Snake Bus Tracks with 3 Phase, 50 Amp modular bus bar system with tap offs for power every 12 inches.

3 Snake Connect Floor Box can be configured to the customer's electrical and data specifications with integrated circuit protection.

4 Snake Whips are snap on power whips configured to the customer's electrical requirements.

5 Snake Tray hand bendable cable tray for under access floors.

Snake Bus® Power Distribution System

Snake Bus is a pre-manufactured power distribution system for access floors that delivers 50 amps 3 phase 208/120 volts providing more than 17 ½ kilowatts of power in an easy-to-install track and whip system. Snake Bus inherently provides 120 volts phase to neutral, 208 volts phase to phase and three phase configurations without ever having to change the track. The Snake Bus system eliminates the need to hardwire equipment and allows for instant changes and moves to the electrical plan for workstations, call centers, trading floors, casinos and data centers.

Power Tracks
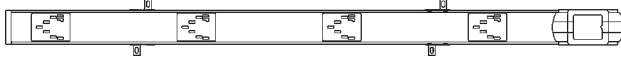
Power Tracks - 4 Feet

Power Tracks - 8 Feet
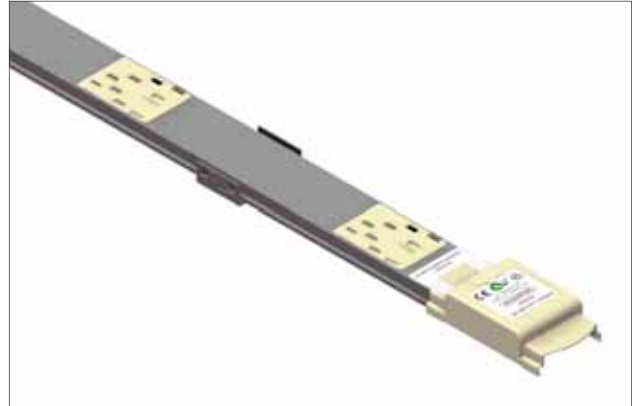
Part Number	Description
CM 707-50-4-4	50 Amp 4 ft. track with 4 receptacles, 3-Phase
CM 717-50-4-4	50 Amp 4 ft. track with 4 receptacles, Dual Circuit
CM 707-50-8-8	50 Amp 8 ft. track with 8 receptacles, 3-Phase
CM 717-50-8-8	50 Amp 8 ft. track with 8 receptacles, Dual Circuit

Modular electrical power distribution tracks.

Floor Riser

The floor riser is an optional accessory for the Snake Bus system to be used to prevent water submersion in areas where flooding may be an issue.

Part Number	Description
CM 707-FR-4	Floor Riser for 4ft. Snake Bus Track
CM 707-FR-8	Floor Riser for 8ft. Snake Bus Track

Part Number	Description
CM 707-FR-FM	Floor Riser for Feed Module
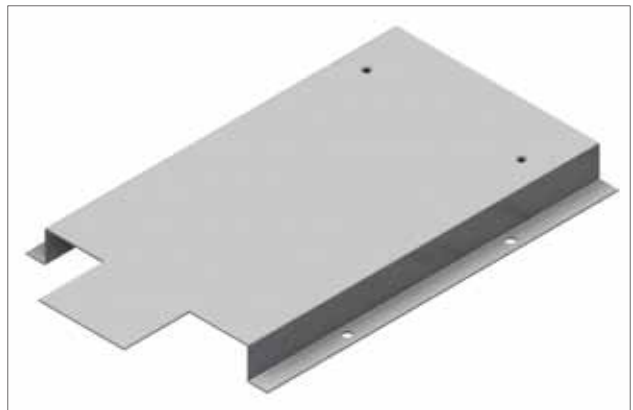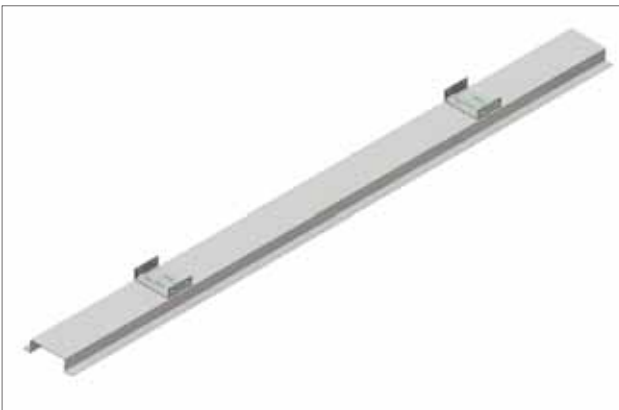
Snake Bus® Power Distribution System

Interlink

Part Number	Description
CM 707-50-IL	50 Amp Interlink, 3-Phase
CM 717-50-IL	50 Amp Interlink, Dual Circuit

Interlink allows for changes in direction and can easily snake around obstacles under raised floors and workstations.

Feed Module

Part Number	Description
CM 707-50-FM	50 Amp Feed Module, 3-Phase
CM 717-50-FM	50 Amp Feed Module, Dual Circuit

Feed module delivers power to the snap-together Snake Bus tracks to instantly configure the electrical plan. Available with custom pre-wired feeder cable 1-3 phase with ground and oversized neutral.

Snake Bus® Current Monitoring System

Part Number	Description
CM 707-50-FM-LED	Colored LED indicators
CM 707-50-FM-DIG	Digital readout of current use
CM 707-50-FM-IPA	IP addressable

Snake Bus is available with a current monitoring system that gives facility managers real-time data on current loads.
In addition, the IP addressable module with accompanying software provides facility managers email alerts on current loads, and provides real-time and historical data on power consumption for energy resource planners.

Snake Bus® Power Distribution System

Snake Bus Recessed Floor Box
with 3 Independent Protected Circuits

Part Number	Size
CM 707-20-A-25-04-20-3-005-0018	13" L x 9" W x 5 ½" D

Features:
- Designed to customer requirements with up to 3 independent circuits and 12 "keystone" receptacles for data
- Designed to work in conjunction with 707 Series Snake Bus Power Distribution
- Two separate compartments for data and power
- Steel cover with 2-cable access points and recessed lid will accept carpet

SNAKE TRAY CAN CUSTOM CONFIGURE YOUR MODULES TO FIT YOUR SPECIFIC REQUIREMENTS.

Under Desk Power Module

Part Number	Size
CM 707-20-1-24-26-20-2-005-0000	15 ¾" L x 3 ¾" W x 2 ¾" D

Applications:
Power module mounts under the work surface. The electrical whip feeds through Snake Air pass through air flow manager in an access floor.

For details see Product Overview on pages 92-95.

Features:
- Designed to customer specific needs to work with the CM 707 Snake Bus Power Distribution System
- Installs without the need of any fasteners.
- Complete with built-in circuit breaker and Indicator light
- Constructed from 16 GA galvanized steel with customer specified powder coat finish available

Snake Whip Horizontal Rack Mount One Rack Unit

Part Number	Size
CM 707-SWHRM-01	18" L x 1 ¾" W x 3 ½" D

Applications:
These industrial quality rack mount Power Distribution Units (PDU) are built in a wide variety of configurations. Snake Air pass through air flow manager in an access floor.

For details see Product Overview on pages 92-95.

Features:
- Part of CM 707 Snake Bus Power Distribution System
- 1 RU
- Six NEMA 15 AMP or 20 AMP receptacles
- Circuit breakers protected
- Indicator lights
- Black powder coat

Recessed Data Center Floor Power Reception Point

Part Number	Size
CM 707-30-A-10-28-4-2-024-0029	17" L x 3 ½" W x 7" D

Applications:
This custom designed unit for our data center customer allows for separate A and B channels of power while keeping airflow segregated under the floor.

Features:
- Accessory for the 707 Snake Bus Power Distribution System
- Individual compartmented 3-Phase protected circuits
- Installed into raised access floors
- Redundant power capabilities
- Two NEMA 530R receptacle, 30 AMP
- Additional configurations available

Snake Bus® Technical Data

ELECTRICAL CHARACTERISTICS			
Rated Current		50	Amps
Rated Voltage		120/208 3ØY - 277/480 3ØY	Volts
Frequency		50/60	Hz
Conditional Short Circuit Rating	(Protection device)	16	KA
Conductor Resistance Line & Neutral		1.0	mΩ/ft
Conductor Impedance		1.5	mΩ/ft
Volt Drops Line & Neutral	Snake Bus®	1.0	mV/A/ft
	Feed Unit + Coupler	2.2	mV/A
	Tap-Off	0.73	mV/A
	12 AWG	4.4	mV/A/ft
	Coupler	1.5	mV/A
	Interlink	4.5	mV/A
	8 AWG	1.71	mV/A/ft

MECHANICAL DATA			
Number of Copper conductors		2, 3 or 5	
Conduit Cross-sectional Area	Nominal	3.3	AWG
Snake Bus® Casing Copper Equivalent	(Where casing is Ground)	3.3	AWG
Cable Termination Capacity		4	AWG
Tap-Off Cable 20 Amp		12	AWG
Tap-Off Conduit Sizes		1/2	Inch UL1
Flexible Interlink Cable 50 Amp		8	AWG
Flexible Interlink Conduit		3/4	Inch UL1
Feed Conduit Entry		2 x 1"	Inch
IP Rating		40	
Minimum void depth (track + tap-off)		2 3/16	Inch

MATERIAL SPECIFICATION	
Snake Bus® Casing	Galvanized Steel
Conductors	High Conductivity Copper
Snake Bus® Insulators	PBT
Sockets/ Tap-Off Plugs/ Joint Molding	Polycarbonate LSF
Shutter	PBT
Tap-Off / Interlink Flexible Conduit	Galvanized Steel UL1
Tap-Off Cable	ULI063 Type MTW or THHN
Tap-Off / Coupler Blade	Brass Silver Plated
Feed Unit Case	Galvanized Steel
Flexible Interlink Cable	ULI028 Type TEW or THHN
Feed / Flexible Interlink Housing	Galvanized Steel

Snake Box™

Power and
Data Distribution
Enclosures

Snake Tray has the engineering know how to design and build any type of enclosure for data and power distribution.

Zone Enclosures

Zone cabling enclosures add flexibility within an open-office environment or data center environment. Choose from ceiling-mount, wall mount or under-floor versions.

Wall Enclosures

• Provides a flexible consolidation point in the wall

• Plenum-rated with optional fire-rated foam sealing kits

• Simplify moves, adds, and changes

• Use as a telecom enclosure for cabling flexibility

Ceiling Enclosures

• Installs flush with drop ceiling

• Fully hinged drop-down doors support installed equipment and to open to face technician

• Active and passive styles available

• Integrated AC or DC power supplies

• Active cooling available

Active/Passive Raised-Floor Enclosures

• Fits in air handling space under 8" raised floors

• Active and passive styles available

• House multiple mounting options for 19" components

• Rotating mounting brackets provides for easy access to rear of panels

Wall Enclosures

Snake tray offers several wall-mounted zone enclosures for box passive and active components. For use in both new construction as well as retrofit projects, and can be customized for specific solutions. Most enclosures are suited for single or multiple ONT (Optical Network Terminal) units for use in PON (Passive Optical Network) environments, and can incorporate both power and low voltage systems.

The wall-mounted zone enclosure is a feature-rich solution for passive and active components.

CM708-SK-0574

RESI BOX

Part Number	Size
CM708-SK-0574	14" L x 14" W x 3 ½" D
CM708-SK-0575	28" L x 14" W x 3 ½" D

Snake Tray's Structured Media enclosures creates a distribution point for AV, Voice and Data applications as well as providing a convenient consolidation point for wiring home runs from wall outlets. Available in 14" and 28", sizes to address a broad range of capacities for single family homes, MDUs, and light commercial applications, Snake Tray's Structured Media enclosures support new and retrofit installations. Perforated back panel with multiple EKO's. Manufactured from 20 GA galvanized steel, Powder Coated beveled screw on front panel.
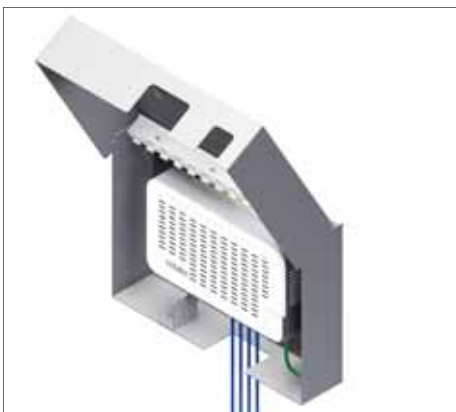
CM708-SK-0575

Horizontal Surface Wall Mount Enclosure

Part Number	Size
CM 708-SK-0289-ONT	10" L x 14" W x 3" D

Applications:
Designed for utility environments where surface mount is most practical.

Features:
• Secured locking cover for Secret Internet Protocol Router Network (SIPRNet) applications

Rectangular Consolidation Point Enclosure

Part Number	Size
CM 708-SK-0493-ONT	20" L x 16" W x 3" D

Applications: Secure consolidation point for open offices, small horizontal closets, ONT and multimedia installations. Flexible mounting between studs in existing or new construction. Architecturally pleasing metal bezel with hinged door complete with vented louvers. Powder coated for seamless integration into any office environment.

Features:
- Multiple EKO's on all four sides
- Easily mounts to 16" OC studs
- Flush mounted lockable louvered door
- Constructed from 16 GA galvanized steel
- Perforated back panel for simple attachment of components
- Available with 2 gang utility electrical box
- Available with Palusol® fire-protection panels
- Pre-configured and User-configurable versions

Recessed Remote Equipment Cabinet

Part Number	Size
CM 708-SK-0568	48" L x 24" W x 12" D

Applications: Secure consolidation point for Distributed network equipment. Lessens the heat load and density in the Telecom Room (TR). Flexible mounting between studs in existing or new construction. Architecturally pleasing metal bezel with hinged door complete with vented louvers. Powder coated for seamless integration into any office environment.

Features:
- Multiple EKO's on all four sides
- 6RU Rack space, Dual mount optional
- Flush mounted lockable keyed pull latch lock
- Constructed from 16 GA galvanized steel
- Vented bottom panel
- 10/32 ground studs (4)
- Available with 4 ½" cooling fan(s)
- Available with 4 gang utility electrical box
- Available with Palusol® fire-protection panels
- Available with Perforated or Plywood back panels
- Available with recessed bezel kit Pre-configured and User-configurable versions

NEW PRODUCT

Square Consolidation Point Enclosure

Part Number	Size
CM 708-SK-0526-ONT	14" L x 14" W x 3" D

Applications: Secure consolidation point for open offices, small horizontal closets, ONT and multimedia installations. Flexible mounting between studs in existing or new construction. Architecturally pleasing metal bezel with hinged door complete with vented louvers. Powder coated for seamless integration into any office environment.

Features:
- Multiple EKO's on all four sides
- Easily mounts to 16" OC studs
- Flush mounted lockable louvered door
- Constructed from 16 GA galvanized steel
- Accepts multiple manufacturers Active Ethernet ONTs
- Available mounting bracket for up to 10 RJ45 modular connectors
- Available with 2 gang utility electrical box
- Available with Palusol® fire-protection panels
- Available with Perforated back panels
- Pre-configured and User-configurable versions
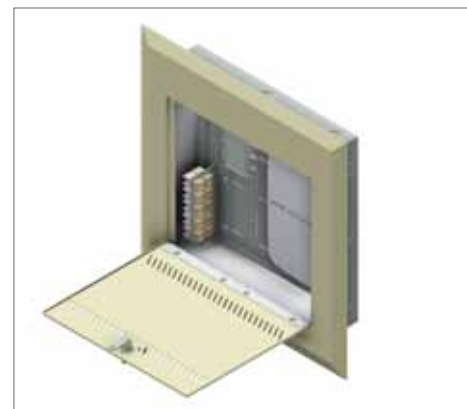
Ceiling Enclosures

All Snake Tray zone enclosures can be located in air-handling spaces (the plenum). Ceiling enclosures replace a single 2' x 2' or 2' x 4' drop ceiling tile and have an access door that provides easy access to equipment. The Zone methods creates mini IDF's in the open office environment.

Features include:
- Recessed into 2' x 2' or 2' x 4' drop ceiling acoustical ceiling grids
- Many styles are available to suit your equipment mounting needs
- Passive Ceiling Enclosure for Wiring Blocks
- Passive Ceiling Enclosure for Patch Panels
- Active Ceiling Enclosure for Hubs, Switches and Patch Panels
- 2' x 4' Ceiling Enclosures for Wiring Blocks, Patch Panels, Hubs and Switches
- Consolidation Enclosures
- Ceiling-Mounted Wireless Enclosures
- Domed Wireless Ceiling Enclosures
- Fan Kit also available
- Integrated power supplies available
- Active cooling modules available

Overhead Distribution Module

Part Number	Size
CM 708-1100-0601	24" L x 24" W x 6" D
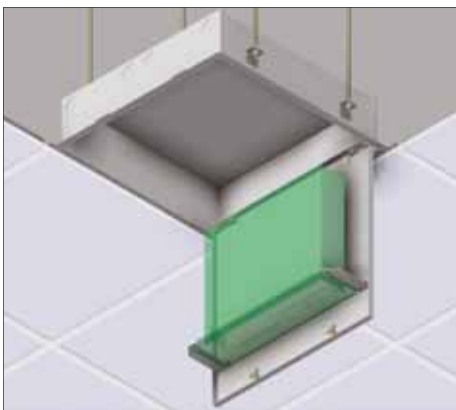
Applications: This fully assembled low profile ceiling mount enclosure mounts in 2' x 2', 2' x 4' and 2' x 6' drop ceilings and can be fitted with both active and passive equipment. Designed to accept up to 3 RU of active electronics as deep as 17.5 or standard 19" passive connectivity. Lockable secure door has a capacity of over 50 pounds and can be customized to user specifications to accept other component structures.

Features:
- Includes 3RU mounting brackets
- Knockouts are located on all 4 sides for easy cable entrance
- Available with horizontal slack manager
- Will accept AC power and fan assemblies
- Constructed from 16 GA galvanized steel
- Available in customer color specified powder coat
- Pneumatic piston assisted cover for easy enclosure entrance
- Four point mounting system for threaded rod or hangers

Basic 2 x 2 Box Empty

Part Number	Size
CM 708-SK-0330	22" L x 22" W x 12" D

Applications: This fully assembled ceiling mount enclosure installs in 2' x 2', 2' x 4' and 2' x 6' drop ceilings. This particular model has 6 RU of standard 19" passive rack mountable space and is fitted with a horizontal cable slack manager. Lockable secure door has a capacity of over 50 pounds and can be customized to user specifications to accept other component structures. Cover opens safely with two built-in pneumatic cylinders.

Features:
- Lockable secure lid design
- Removable door mounted assembly for 19"rack mounted panels and active equipment
- Total of 6 RU rack mountable space
- Multiple knockout configurations available
- Simplified design reduces network down time and labor costs associated with MAC work
- Constructed from 16 GA galvanized steel or aluminum with customer specified powder coat finish available
- Multiple sizes available
- Four point built-in support brackets for threaded rod or hangers
- Additional bracket configurations available

2 x 2 with Integrated Power Supply

Part Number	Size
CM 708-SK-0546 - AC Power	24" L x 24" W x 12" D
CM 708-SK-0531 - DC Power	24" L x 24" W x 12" D

Applications: This fully assembled ceiling mount enclosure installs in 2' x 2', 2' x 4' and 2' x 6' drop ceilings. 6 RU of standard 19" rack mountable space and with a horizontal cable slack manager. 50 pound rated vented and lockable secure door, with two built-in pneumatic cylinders. Integrated AC or DC modules and cover mounted exhaust fans are designed into the solution. Call Snake Tray Engineering for specific specifications.

Features:
- Lockable secure lid design with 19" rack mounted rails, 6RU space
- Multiple knockout configurations
- Constructed from 16 GA galvanized steel or aluminum with customer specified powder coat finish available
- Multiple sizes available
- Four point built-in support brackets for threaded rod or hangers
- AC or DC built in Power Modules
- Exhaust fan built into cover
- Door assisted gas struts
- Built in cable management
- Customized Solutions available

Basic 2 x 4 Box Empty

Part Number	Size
CM 708-SK-0565	48" L x 24" W x 12" D

Applications: This fully assembled extra large ceiling mount enclosure installs in 2' ceiling grid, measures 2' x 4'. This particular model can be mounted with 12 RU of standard 19"passive rack mountable space and horizontal cable slack managers. Lockable secure door has a capacity of over 75 pounds and can be customized to user specifications to accept other component structures. Vented cover opens safely with two built-in pneumatic cylinders. Single lockable handle.

Features:
- Lockable secure lid design
- Can be fitted with 19" rack mounted panels and active equipment with a total of 12 RU
- Simplified design reduces network down time and labor costs associated with MAC work
- Constructed from 16 GA galvanized steel or aluminum with customer specified powder coat finish available
- Multiple sizes available
- Eight point built-in support brackets for threaded rod or hangers
- Multiple knockout configurations

NEW PRODUCT

Ceiling Mounted Remote Equipment Cabinet

Part Number	Size
CM 708-SK-0556	24" L x 48" W x 12" D

Applications: Secure consolidation point for Distributed network equipment. Lessens the heat load and density in the Telecom Room (TR). Flush mounted, white enclosure installs into a standard 2' x 2' grid ceiling. Architecturally pleasing metal bezel with hinged door complete with vented louvers. Powder coated for seamless integration into any office environment.

Features:
- Designed for Power, Data and Active AV Devices in the Ceiling
- Multiple Size EKO's on all four sides
- Dual mounted 6RU Rack space for active and passive equipment
- Flush mounted lockable keyed pull latch lock
- Constructed from 16 GA galvanized steel
- Louvered removable hinged door
- Two gas assisted struts
- 6 point mounting brackets
- Available with up to 4 - 4 ½" cooling fans and ducted hot air removal system
- Available with integrated power configurations both AC and DC
- Available with Palusol® fire-protection panels
- Available with Acoustical foam for added sound mitigation
- Pre-configured and User-configurable versions

NEW PRODUCT
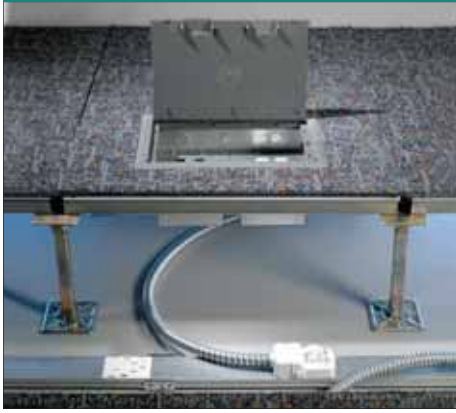
Floor Enclosures

Snake Tray offers several styles of zone enclosures that can be used under raised access floors Raised floor enclosures are placed under or in a single 2' x 2' floor tile and comes with an integrated cover. Snake Tray also offers various MUTOA style floor boxes for the workspace.

Features include:
- Lockable secure lid design available
- Snake Bus compatible
- Built in cable management
- Brackets (included with most models) for attachment to raised floor support pedestals
- Multiple styles to suit your equipment mounting needs
- UL Listed

Ultra Low Profile with Flip Door

Part Number	Size
CM 708-05-0024	21 ¼" L x 21 ¼" W x 2 ½" D

Applications: Designed for either overhead, wall mounted or under raised access floors. Low profile design maximizes all usable space. Internal design accepts two 1 RU connectivity solutions, or can be designed for specific customer requirements. The cover comes standard with a secure locking lid.

Features:
- Room for two 24-port patch panels or any other two 1 RU 19" mounting solution
- Secured cover
- Built in wire management
- Standard 2 ½" depth, can be customized
- Eight edge protected openings for easy cable routing or can be built with standard knockouts
- Constructed from 16 GA galvanized steel with customer specified powder coat finish available
- Completely customizable internal mounting structures

Ultra Low Profile

Part Number	Size
CM 708-78-10876	11 ½" L x 7 ½" W x 1 ⁵/₈" D

Applications: The Ultra Thin floor box designed for extremely low profile floors incorporates both electrical and data into a 1 ½" deep shallow profile design. This design will work in all low profile raised floor applications. The unique completely flush mount split cover is an industry first! UL Listed and approved, this box will meet with all local codes and standards. Enclosure can be customized to meet customer's specifications.

Features:
- Ultra slim design only occupies 1 ½" of height in an access floor
- Built-in data and power receptacles
- Customizable to meet a customer's specifications
- Flush mount design (eliminates tripping hazards)
- Split hinged door
- UL Listed

Med Profile Floor Box

Part Number	Size
CM708-FB-XX	13"L x 9"W x 2.5"D

Features:
• Designed to customer requirements for flexibility and durability
• Two separate compartments, one on each side of the unit
• Either or both can be used for power or data
• Multiple AV, and Data configurations are available
• Constructed from 16 GA galvanized steel
• Powder coated steel cover with 2-cable access points with recessed lid
• Designed to work with the 707 Series Snake Bus Power Distribution System

SNAKE TRAY CAN CUSTOM CONFIGURE YOUR MODULES TO FIT OUR SPECIFIC REQUIREMENTS
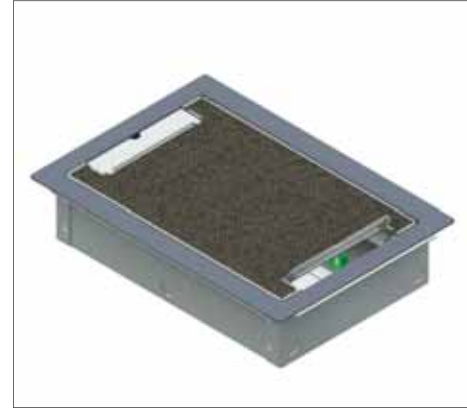
Snake Bus Recessed Floor Box
with 3 Independent Protected Circuits

Part Number	Size
CM 707-20-A-25-04-20-3-005-0018	13" L x 9" W x 5 ½" D

Features:
• Designed to customer requirements with up to 3 independent circuits and 12 keystone receptacles for data
• Designed to work in conjunction with 707 Series Snake Bus Power Distribution
• Two separate compartments for data and power
• Steel cover with 2-cable access points and recessed lid will accept carpet

SNAKE TRAY CAN CUSTOM CONFIGURE YOUR MODULES TO FIT OUR SPECIFIC REQUIREMENTS

Fiber Optic Breakout System with Copper Channels for Access Floors

Part Number	Size
CM 708-DC-78-10711	9 $\frac{1}{8}$" OD x 5 $\frac{5}{16}$" D

Applications: This cylindrical raised floor distribution station is designed to customer's specific requirements for a complete pre-configured plug-n-play network terminal for copper and fiber. Inbound 12 strand MPO breaks into 6 channels to SC/LC duplex connectors as well as four category 6/6A channels.

Features:
• Designed in conjunction with architectural firms, this cylindrical module incorporates both fiber and copper telecommunication interfaces in a single compact design specifically for raised floor installations
• Modular telecommunications cabling system shall ensure efficient voice and data signal transmission with trueplug-and-play modularity
• The keyed circular 16 GA galvanized steel cover will match typical in-floor air diffusers for architectural symmetry
• The body of the module is constructed from 16 GA aluminum

Floor Enclosures

Hybrid Power/Data Enclosure for Access Floors

Part Number	Size
CM 708-DC-78-10816	9 $\frac{1}{8}$" OD x 5 $\frac{9}{16}$" D

Applications: This economical and convenient power/data module is designed to fit seamlessly with most commercially available air diffusers. Used in raised floor applications, it provides both power and data connections in a single compact module.

Features:
- Round design allows for the module to be installed in the same size opening as standard air diffusers.
- Eliminates the need for multiple custom sized cut outs in the raised floor tiles
- Two compartment aluminum construction with steel dividers to accommodate both power and/or data connections
- Accommodates all telecommunication options
- Isolated circuits with built-in circuit protection for both isolated and general purpose applications
- Standard high performance steel cover lid with recessed lid for carpet or tile installation
- Fits into holes ranging from 8" to 8 ½" diameter
- Available with multiple ports on side and/or bottom
- Fully compatible with 707 Series Snake Bus

Zone Distribution Box – High Density Fiber

Part Number	Size
CM 708-1100-05-01	21" L x 21" W x 8" D

Applications: The in-floor Fiber Cassette enclosure is an ideal zone cabling solution serving as a consolidation point or zone distribution area. The in-floor enclosure saves valuable real estate by providing a secure solution under the floor which relieves congestion on racks and cabinets for installing network equipment. The enclosure can be used along with up to 14 pre-terminated fiber cassettes as a ZDA for instant data center installations and reconfigurations. The innovative lift-out tray design allows for easy cable configurations, minimizes cable pinching and will maintain proper bend radius for cable.

Features:
- Lockable secure lid design
- Fold out platform allows for accessibility to 14 fiber cassettes
- Multiple knockout configurations available, edge protected cable access points
- 14 MPO – Input/output 84 channels of SC Duplexes
- Simplified design reduces network downtime and labor costs associated with MAC work
- Constructed from 16 GA galvanized steel with customer specified powder coat finish available
- Multiple sizes available

Zone Dist Box II - Under Floor use for Fiber & Copper

Part Number	Size
CM 708-78-10720-2.50	22" L x 15 ½" W x 8 ½" D

Applications: Fully assembled large capacity, secure enclosure that works within the confines of office raised floor tiles. Will accommodate up to 6 RU of standard 19" rack mountable field terminated or pre-terminated connectivity solutions.

Features:
- Unique angled support allows for 2 more RU spaces with the same volume and footprint
- Built-in internal cable manager
- Secure locking hinged cover that allows for unimpeded working space
- Constructed from 16 GA galvanized steel powder coat finish available
- Available with standard knockouts or customer specified locations
- Accepts a variety of connectivity solutions

Low Profile Data Module with Custom Patch Panel

Part Number	Size
CM 708-SK-0216	16" L x 15 ½" W x 4 ¾" D

Applications: Fully assembled low profile, secure enclosure that works within the confines of office raised floor tiles. Includes a variety of customer dictated working options that will accommodate up to 4 RU of standard 19" rack mountable field terminated or pre-terminated connectivity solutions.

Features:
• Built-in internal cable manager
• Secure locking hinged cover that allows for unimpeded work space
• Constructed from 16 GA galvanized steel with customer specified powder coat finish available
• Available with standard knockouts or customer specified locations
• Accepts a variety of connectivity solutions
• Multiple 2 and 4 RU custom connectivity mounting plates are available

Under Floor Data Distribution System

Part Number	Size
CM 708-SK-0189	20" L x 20" W x 13 ½" D

Features:
• Designed to a customer's specific requirements to accommodate the need for specialized fire code requirements
• Designed to be used with Series 652 Snake Way Secured Pathway
• 8 RU of 19" rack mountable space
• Removable locking cover
• Constructed from 16 GA galvanized steel with customer specified powder coat finish available
• Custom knockout configurations

Fiber and Copper SCIF Secured Module

Part Number	Size
CM 708-SK-0148	21" L x 14" W x 6" D

Applications: This secure box is designed to house sensitive connections under raised floors. Primarily used in SCIF and other secure venues, this box has a sliding removable cover with integrated padlock hasp. The unique design makes it impossible for entrance unless physically unlocked, keeping out all unwanted personnel. All seams are electronically welded for a completely enclosed and secure module.

Features:
• Lockable secure lid design with pad lock hasp
• Constructed from 16 GA galvanized steel with customer specified powder coat finish available
• Completely welded seams
• Available with or without knockouts
• Complete with built-in cable management and fiber cassette mounting structure
• 110 block mounting positions
• Custom configurations are available
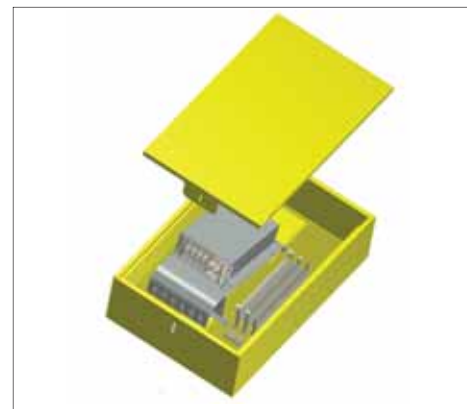
Snake Tray™ Air Flow Managers

Snake Air™ for Access Floors

Snake Air blocks stray air from escaping under the access floor to prevent overheating sensitive equipment and lowers the cost of cooling a data center or office environment. Snake Air installs by hand and requires no extra hardware or tools. An adjuster plate is available for square or rectangular openings.

Snake Air Foam Model
Allows for a variable number of cables.

Part Number	Description
CM 901-SA-3B	3" diameter Non-Vented Air Flow Manager
CM 901-SA-5B	5" diameter Non-Vented Air Flow Manager

Snake Air Slotted Model
Has a pass through for up to four cables.

Part Number	Description
CM 901-SA-5-AD1	5" diameter, 4 Position, Vented Air Flow Manager
CM 901-SA-5-AD2	5" diameter, 4 Position, Non-Vented Air Flow Manager

Snake Air Floor Manager

Part Number	Description
CM 901-EFPT	Cable Pass thru Air Flow Manager

Allows for copper, fiber and MC cables to pass thru the access floor.
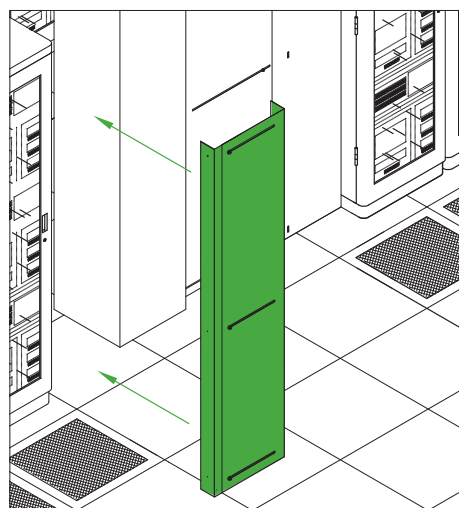
Snake Air Adjustable Air Dam

Part Number	Description
CM 901-78-10350	2 ½" - 3 ½" Adjustable Width, 86 ½" Height
CM 901-78-10342	9" - 15 ½" Adjustable Width, 86 ½" Height
CM 901-78-10518	15 ½" - 23" Adjustable Width, 86 ½" Height
CM 901-78-10347	23" - 40" Adjustable Width, 86 ½" Height
CM 901-78-10519	40" - 63" Adjustable Width, 86 ½" Height

Designed to manage airflow between equipment racks to prevent overheating sensitive equipment and to lower the cost of cooling a data center. Air Dams are available in adjustable widths and standard 86 ½" height. Easily installed to the side of the equipment racks with screws.

Snake Tray can work with you to solve any air flow issue. Please contact our engineering team to discuss a standard or custom solution.

Snake Tray® Product Overview

Snake Tray manufactures tray from ASTM A510 - High strength steel wire. The wire is pre-galvanized wire in accordance with ASTM standards, suitable for most indoor applications. Snake Tray offers standard grade powder coating to color the trays for aesthetic purposes.

For better environmental resistance properties required by outdoor applications, Snake Tray can be manufactured in stainless steel in accordance with ASTM A58O, or coated with industrial strength powder coating.

101 Series Snake Tray®
The 101 series Snake Tray is designed for installation below a raised floor, and as risers on vertical surfaces. The center spine allows the Snake Tray to be bent easily by hand around and over obstructions, around corners, and up walls. These pathways are available from 10 1/2 to 84 square inches for up to 460 Cat6 cables at the NEC maximum percent fill of 50% for ventilated cable tray. Mounting rings are integral to the support legs. No additional brackets are required. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

201 Series Snake Tray®
The 201 series Snake Tray is utilized both below raised floors and overhead either mounted to walls, cabinets or suspended from the ceiling structure. Available in two configurations, single or double pocket pathway design, the 201 series tray can accommodate up to 50 square inches of cable path, or 510 Cat6 data cables at the NEC maximum percent fill of 50% for ventilated cable tray.

Snake Tray's unique center spine design allows the tray to be bent easily by hand to make turns where needed and evade obstacles. Mounting rings or "Snake Eyes" are located along the center spine, allowing easy attachment of threaded rod for suspended applications. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

205 Series Rail Snake Tray®
The 205 series Rail Snake Tray is specifically for tunnel applications where the tray must adhere to strict clearance requirements. The tray is available in 10 foot sections that mount flush onto the wall or ceiling of a tunnel, and available as a single or double pocket design for up to 50 square inches of pathway. Specific tray profiles can be developed to suit curve or angled contours, and can be engineered for even the most non-traditional environments. All Rail Snake Tray products are available in Stainless Steel or Industrial Powder Coated finishes. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

301 Series Snake Canyon®
The 301 series Snake Canyon trays are for use within a raised floor environment. The Snake Canyon system integrates with the access floor. Cam-Loc, Latch-Loc, Click-In and traditional models offer attachment methods that work with all types of access flooring. The trays are available in full and half panel widths, and 2", 4", 6", 8" & 12" depths. Snake Canyon is modular, with turns and intersections made with specialized baskets. Snake Canyon models provide up to 276 square inches of cable path or a capacity 2820 Cat6 data cables. Manufactured from galvanized steel wires in accordance with ASTM B633 SC3 - General requirements for regular galvanized wire.

302 Series Power Snake Canyon®
The 302 Series Snake Canyon works in conjunction with the standard 301 Series Snake Canyon. The 302 version supports power by integrating pre-engineered electrical modules as part of the tray. The modules are available with any electrical receptacles. The Snake Canyon baskets provide the pathway for the cables that feed the receptacles.

401 Series Snake Race™
The 401 series Snake Tray is a light-duty cable manager for up to 145 CAT6 cables. The Snake Race incorporates mounting rings along two planes allowing for both wall and suspended mounting configurations, as well as a hand-bendable spine to negotiate any changes in direction without using tools or additional hardware. Snake Race is manufactured from galvanized steel wires in accordance with ASTM B633 SC3. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

Snake Tray® Product Overview

405 Series Rail Snake Tray® for messenger wire
The 405 series Rail Snake Tray for messenger wire is for tunnel applications. The tray is available in 10 foot sections that hang from the messenger wire present in many rail and transit tunnels. Available as a single or double pocket design for up to 60 square inches of pathway. Specific tray profiles can be engineered for even the most non-traditional environments. All Rail Snake Tray products are available in Stainless Steel or Industrial Powder Coated finishes. One (1) CB-12-SS connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

407 Series Solar Snake Tray®
The variations of 407 series Solar Snake Trays have been designed specifically to meet the cable management requirements of any photovoltaic power plant. The roof top system incorporates mounting rings or Snake Eyes running along the center spine to allow it to be directly attached to any racking system with either tech screws, or adapter mounting plates and nuts and bolts. Available in three sizes, 4, 9, and 12 square inch pathways. The unique spine design allows the conveyance to be easily bent by hand to make turns where needed and to evade obstacles. One (1) CB-12-SS connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

The variations of Solar Snake Tray for utility scale solar either tek screw to a purlin or suspend from a messenger wire. One (1) CB-14-SS connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next. Due to the higher currents used in photovoltaic cabling, additional grounding is required. Ground wire can be bonded to all forms of Solar Snake Tray with the CB-8 grounding lug. All Solar Snake Tray is manufactured from either stainless steel or pre-galvanized steel and coated with industrial strength powder coating.

454 Series PON (Passive Optical Network) Snake Tray®
The 454 series Snake Tray has been designed in response to the emerging technology in Passive Optical Networks (PON). PON Snake Tray is an application specific cable conveyance system to bring the fiber from the optical line terminals to the optical network terminals. Our patented, hand-bendable system is specifically designed to protect and secure the fiber cables in a pathway that installs in seconds. PON Snake Tray protects and secures fiber cables while maintaining the proper bend radius for optimal cable performance. The universal built-in mounting rings can be installed either on a ceiling or wall. Cables easily load from the side to save on the installation time. PON Snake Tray seamlessly interfaces with our PON series of Enclosures. PON Snake Tray is available in 8 foot sections with a standard galvanized finish or color-coded powder coat finish. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

501 Series Wall Snake™
The 501 series Wall Snake has been designed with mounting rings or Snake Eyes running vertically along the center spine to allow it to be directly attached to a wall. These mounting rings eliminate the need for additional brackets or hanging hardware to complete the installation. As with all Snake Tray products, the Wall Snake can be bent by hand in any direction along any plane to create a custom fit for any application. It is available in four sizes, 4, 9, 25 and 36 square inch pathways. Wall Snake is manufactured from galvanized steel wires in accordance with ASTM B633 SC3 - General requirements for regular galvanized wire. Wall Snake is the perfect solution for long linear runs along a wall where space is at a premium. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

505 Series Duel Tiered Wall Snake™
Frequently used in the rail, transit and tunnel environments, 505 Wall Snake product has double the capacity of the single tiered system due to an integrated second cable pathway. It has the same mounting rings as single 501 for direct attachment to walls and other vertical surfaces. As with all Snake Tray products, the 505 series Wall Snake can be bent by hand in any direction along any plane to create a custom fit for any application. Available in multiple configurations, standard finish is galvanized steel in accordance with ASTM B633 SC3 - General requirements for regular galvanized wire. Stainless Steel an industrial-strength powder coating options are available for outdoor applications. Wall Snake is the perfect solution for long linear runs along a wall where space is at a premium. One (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

Snake Tray® Product Overview

610 Series Snake Tray® Cable Runway
The 654 Series Cable Runway is a new addition to our cable tray offering. It is the standard for running datacom cabling over the racking in communication rooms. Made of tubular steel in 4 through 36-inch widths. Standard finish is powder coated black.

652 Series Snake Race Ways™
The 652 Series Snake Race Way is a NEMA Type 1 steel raceway that houses control and power cables. It is used for cable and wire junction, distribution, and termination. Constructed from 16 GA galvanized steel with ANSI 61 grey acrylic electro coated finish. Heavy duty splices eliminate the need for gates, and provide a solid connection between sections. A hinged cover allows for easy entrance and lay-in of cables. It is available with or without knock outs on the cover, sides or bottom surfaces. All directional fittings are completed with factory built modules that maintain a wide 12" radius sweep minimizing any non-compliant bend radii for all types of cables.

653 Series Aluminum Cable Tray by Snake Tray®
The 653 Series NEMA VE 1 Aluminum Cable Trays come in 10 and 12 foot lengths and can carry more cables at longer support spans than other forms of tray. Currently available at a 3 and 5-inch loading depth, in 6, 12, 18, and 24-inch widths. Other sizes available by request. All turns, intersections and vertical sweeps are premanufactured. The 653 trays are fabricated from structural and sheet aluminum. This series is a UL Classified Equipment Grounding Conductor (EGC).

701 Series MC Snake™
The 701 Series MC Snake Tray provides a stable and easy method for running MC cables tight against the ceiling. Constructed from high tensile steel wire, available in two configurations, single or double pocket pathway design, as well as hybrid tray for data and MC cables. The 701 series tray can accommodate up to 40 square inches of cable path. The unique design allows the tray to be mounted directly to the ceiling deck; cables are installed via a telescoping pole system that allows the installer to lay in the cable from the ground, not on a ladder. We in the technical writing department have a bet with the marketing department that no one reads the "Product Overview" section of the catalog. If you read this, call the Snake Tray telephone number with the code "I will put all of my cable in Snake Tray." The first 50 callers will receive a valuable prize of some sort. As with all Snake Tray products, one (1) CB-10 or CB-12 connector bolt is required to join sections together to both mechanically fasten and electrically bond one tray to the next.

707 Snake Bus®
The 707 Series Snake Bus is a paradigm shift in the way we think about electrical power distribution for under raised access floors. The Snake Bus system utilizes bus bar technology to distribute 17.5KW of power along eight-foot linear tracks. The tracks simply snap together with the provided positive lock couplers, and provide tap-off locations every twelve inches along the length of the track. Flexible whips then tap into the bus bar at one of these locations, and distribute power to each device as a dedicated circuit. A full line of floor boxes, power strips and distribution devices are available to complete any electrical design. A truly "Plug-n-Play" solution that can reduce the basic electrical construction cost by over forty percent.

708 Snake Box™
Snake Tray produces a full line of specialty boxes and consolidation enclosures for both power and communications; under floor, overhead and wall mounted. Snake Box products are engineered specifically to meet the most stringent end-user requirements. Locking covers, conduit knockouts and internal cable management are standard on most models, and can also be customized to meet client specifications.

Where used, equipment mounting holes will be EIA-310-D compliant with threaded #12-24 inserts spaced on 1-1/4" (wide) vertical centers. Access floor models are designed to fit in the space between the raised floor tiles and the structural floor, and between the pedestals. Ceiling models are for above the dropped ceiling, suspended from the structural ceiling by threaded rods. These enclosures have brackets for attaching threaded rods. An access door on the flush surface opens into the work area below providing access to equipment within the enclosure. Snake Boxes are manufactured from either 16 GA galvanized sheet steel or 1/8-inch aluminum, and powder coated to customer specified specifications.

Snake Tray® Product Overview

801 Series Mega Snake®

The 801 series Mega Snake is a high capacity cable tray. It is specifically designed to greatly reduce installation costs by eliminating hanging brackets, struts and hardware; and offering pre-manufactured turns, tee's, and crosses, eliminating the need to modify the tray's structure in the field. The patented design component that differentiates Mega Snake generic tray is the introduction of an ingenious accessory rail along the top edge of the tray. This horizontal double wire design provides the location for all types of mounting solutions, threaded rod for overhead installations, additional pathways for fiber and security and the self aligning splice plates that are used to join the sections together.

Available in 6, 12, 18 and 24-inch widths, and depths of 2", 4" and 6", this high capacity tray is the perfect solution for data centers, hospitals and industrial applications where large volume of cables needs to be managed. Mega Snake is constructed from quarter inch galvanized steel wire, the largest diameter in the industry, making Mega Snake is the strongest and most robust wire style tray available for both data and power cables. Additionally, with its unique design, Mega Snake nests together creating dense stacks for reduced shipping and material handling. Standard finish is galvanized steel in accordance with ASTM B633 SC3 - General requirements for regular galvanized wire. Mega Snake can also be manufactured in stainless steel and industrial strength powder coat for outdoor applications, petrol chemical, food service, medical installations and other installations exposed to environmental influences.

FINISHES

MECHANICALLY APPLIED GALVANIZED FINISH (G)

Stock finish on Snake Tray is Galvanized Zinc. Galvanized Zinc coatings are in accordance with ASTM B633 SC3. Coated with an average thickness of 18 to 20 microns. This surface is ideally suited for indoor applications.

Zinc whiskers 'grow' from ferrous (steel) surfaces that have been coated with zinc to help protect them from corrosion. Whisker growth is limited to electroplated surfaces, rather than those on which the zinc has been applied by hot-dipping or spraying, and is caused by internal stresses incurred during the electro-plating process. These fine zinc filaments, normally only a few microns in width, but of several hundred up to a few thousand microns in length, develop from the electro-plated surface, and can break off and cause short circuits and arcing in electrical equipment. Snake Tray's unique galvanizing process eliminates both the potential growth of zinc whiskers and the subsequent potential threat of equipment failure.

POWDER COATED (PC)

Powder coatings are in accordance with AAMA 2604. A powder coating stays bright with less fading and color selection is virtually unlimited with high and low gloss, metallic and clear finishes available. Textures are available as well. Industrial grade is used on outdoor applications. Powder coating contains no solvent and thereby the process emits negligible, if any, polluting volatile organic compounds (VOCs) into the atmosphere. For outdoor trays, industrial grade powder coat is available.

STAINLESS STEEL (SS)

Stainless Steel in accordance with ASTM A580 offers excellent corrosion resistance in most environments. It is mainly used in the food, chemical, petrochemical, rail/transit industries, outdoors and area where moisture may be an issue.

NRTL Approvals

Mega Snake and Snake Canyon products are Classified by Underwriters Laboratories, Inc. as an Equipment Grounding Conductor (EGC). Most standard, hand-bendable Snake Trays are listed by Underwriters Laboratories, Inc. as UL2239 "Hardware for the Support of Conduit, Tubing and Cable." Snake Bus is an approved UL 183 Wiring Device.

Loading Capacity for Snake Tray®, Snake Canyon® & Mega Snake®

Snake Tray			Cable Fill (50% fill)** - CAT			Support Span Lbs/Ft (max)			
Part Number	Height x Width	Area (in2)	5e Cables*	6 Cables*	6A Cables*	4'-0"	5'-0"	6'-0"	8'-0"
CM101-3-8	3 ½" x 3"	10.5	188	80	77	14			
CM101-6-8	3 ½" x 6"	21	375	215	154	27	101 Series Snake		
CM101-12-8	3 ½" x 12"	42	750	430	309	54	Tray is a direct floor		
CM101-18-8	4" x 18"	72	1286	740	529	93	mount tray continu-		
CM101-12-8-LS	2 ½" x 12"	30	536	280	221	39	ally supported system,		
CM101-18-8-LS	2 ½" x 18"	45	804	460	331	58	span weights are not applicable		
CM201-24-8	2" x 4"	8	114	82	59	16	13	11	***
CM201-3-8	3" x 3"	9	129	92	66	19	15	12	***
CM201-425-8	4 ¼" x 4 ¼"	18	257	185	132	37	30	24	***
CM201-6-8	4" x 6"	24	343	250	176	49	39	32	***
CM201-425D-8	(2X) 4 ¼" x 4 ¼"	36	514	370	265	74	59	47	***
CM201-5D-8	(2X) 5" x 5"	50	714	510	368	103	82	66	***
CM301-2-X	2" x 23"	46	597	470	301	43			
CM301-4-X	4" x 23"	92	1195	940	601	86	301 Series Snake		
CM301-6-X	6" x 23"	138	1792	1400	902	129	Canyon is a continually		
CM301-8-X	8" x 23"	184	2390	1880	1203	172	supported system, that		
CM301-12-X	12" x 23"	276	3584	2820	1804	258	can only be installed in 2' sections		
CM401-2-8	1 ½" x 2"	3	43	30	22	6	5	4	***
CM401-3-8	2 ½" x 3"	7.5	107	75	55	15	12	10	***
CM401-4-8	3 ½" x 4"	14	206	145	106	28	23	18	***
CM501-2-8	2" x 2"	4	57	40	29	12	10	8	***
CM501-3-8	3" x 3"	9	129	92	66	22	18	14	***
CM501-5-8	5" x 5"	25	357	255	184	51	41	33	***
CM501-6-8	6" x 6"	36	514	367	265	74	59	47	***
CM801-2-6-10	2" x 6"	12	171	125	88	74	63	50	27
CM801-2-12-10	2" x 12"	24	343	250	176	81	70	56	31
CM801-2-18-10	2" x 18"	36	514	375	265	90	78	62	35
CM801-2-24-10	2" x 24"	48	686	490	353	101	88	70	39
CM801-4-6-10	4" x 6"	24	343	250	176	108	93	75	42
CM801-4-12-10	4" x 12"	48	686	490	353	138	120	96	54
CM801-4-18-10	4" x 18"	72	1029	735	529	144	125	100	56
CM801-4-24-10	4" x 24"	96	1371	980	706	150	130	104	58
CM801-6-12-10	6" x 12"	72	1029	720	529	147	128	102	57
CM801-6-18-10	6" x 18"	108	1543	1100	794	150	130	104	58
CM801-6-24-10	6" x 24"	144	2057	1470	1059	184	160	128	72

*   CAT5e 4 pair PL approximated at .19 in2 in diameter, CAT 6 4 pair PL cable approximated at .25 in 2 in diameter and CAT 6A 4 pair PL approximated at .30 in2

**   Allowable fill ratios are based on the NEC rule that the cross sectional area of all the cable installed in the cable tray not exceed 50% of the cross sectional area of the cable tray (width x depth). TIA suggests a 40% fill ratio.

***   Snake Tray series 201, 401 and 501 are recommended to be supported every four (4) feet. However larger spans can be accommodated.

****   Mega Snake series 801 are recommended to be supported every five (5) feet. However larger spans can be accommodated.

Notes:

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