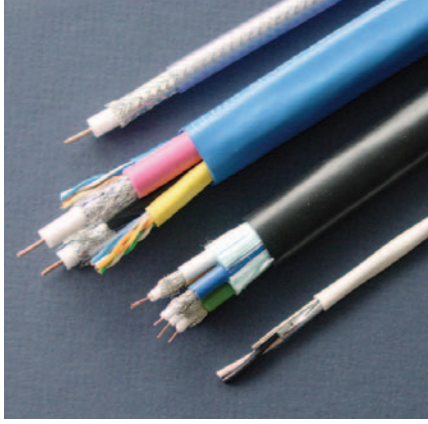



CCT1

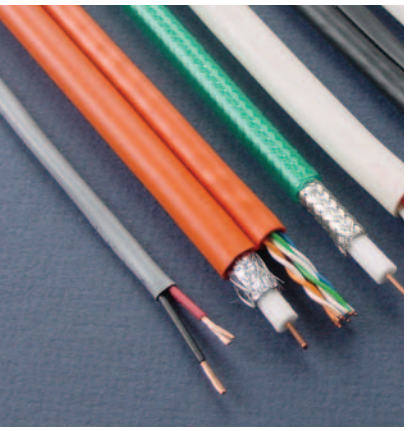
Communication and Life Safety Solutions









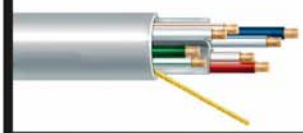



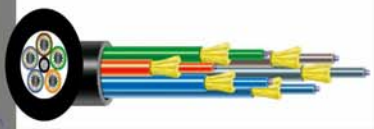
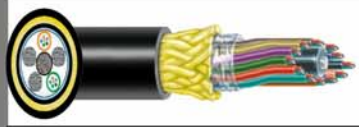
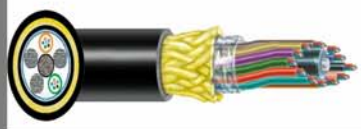



CCT

Convergent Connectivity Technology

CONVERGENT CONNECTIVITY TECHNOLOGY

	Cable Types	Applications
	2-Category 5e and 2-RG6 Quad coaxes with an O/A Jacket	Home Automation Cable For complete control over the wired infrastructure. As per TIA-570
	2-Category 5e, 2-RG6 Quad Coaxes & 2-FDDI Fibers with an O/A Jacket	Home Automation Cable Same as above except with 2 FDDI fibers for future technologies.
	1-Category 5e and 1-RG6 Quad coax with an O/A Siamese Jacket	Home Automation Cable For control of Video & Data over the wired infra-structure. As per TIA-570
	2-Category 5e and 2-RG6 Quad coaxes with an O/A Speed-Wrap	Home Automation Cable Same as above except with 2 FDDI fibers for future technologies As per TIA-570
	Security Cables & Home TheaterCables Shielded & Unshielded Plenum & Non-Plenum	In-wall home audio speakers, perimeter security, intercoms and other types of electronics communications.
	CATV Single Coax RG6/U 60% Braid Plenum & Non-Plenum	Used in CATV, Direct TV, Dish Network and all other types of television broadcast.
	CATV Dual Coax RG 6/U 60% Braid	Same as above except used in dual reception or multiple services.
	CCTV Coax RG59 &18/2 Plenum & Non-Plenum	Used in Closed Circuit Camera Systems and all other types of video monitoring.
	Fire Alarm 12-18 AWG Plenum & Non-Plenum	For wiring of the building s Fire & Notifying Alarm system. Shielded & Unshielded
	Category 3, 5e & Category 5E-350 Mhz Plenum & Non-Plenum	For infrastructure wiring of voice and data networks as per TIA 568B installations.
	Category 6 Plenum & Non-Plenum	For infrastructure wiring of Gigabit Ethernet networks as per TIA 568B installations.

	Series	Cable Types	Applications
	10 30	Simplex/Duplex Tight Buffer, PVC OFNR (Non Plenum) OFNP (Plenum)	General Purpose Interconnect
	11 16 33	Tight Buffer OFNR (Non Plenum) OFNP (Plenum)	Premise Distribution Intrabuilding
	12 32	Tight Buffer OFNR (Non Plenum) OFNP (Plenum)	Breakout Design
	22	All Dielectric/Water Blocked	Outside Plant Duct/Aerial
	23	Armored, Jacketed, Water Blocked	Outside Plant Direct Burial
	26		
	28		
	25	Double Jacket, Water Blocked	Outside Plant Heavy Duty
	27	Riser Rated OFNR (Non Plenum)	Indoor/Outdoor
	80	All Dielectric Self-Supporting Construction	HV,MV,LV Power Lines
	88	Figure 8 Steel or Dielectric Messenger with or without armor	MV,LV Power Distribution Lines

40 Series fiber and copper composite constructions available in Loose Tube or Tight Buffer designs

WWW.CCTCABLE.COM

SALES@CCTCABLE.COM

	Application																	Approval			Warranty	
	Communication & Control	Non-Plenum / Riser	Plenum Listed	Sound & Security	Fire Alarm	Fiber Premise	Fiber Outside	CCTV	CATV	Home Automation	Local Area Network-	Copper Outside	Armored	Non-Armored	Messenger	Data Communication	Video Conferencing	Home Theatre	U/L	RUS	ETL	CSA	Extended Warranty	Standard Warranty
Premise Wire																							
Category 3		●	●							●	●					●			●			●	●		
Category 5 UTP		●	●							●	●					●	●		●		●	●	●		●
Category 5 STP		●	●							●	●					●	●		●		●	●	●		●
Category 5E UTP		●	●							●	●					●	●		●		●	●	●		●
Category 5E STP		●	●							●	●					●	●		●		●	●	●		●
Category 5E-350 UTP		●	●							●	●					●	●		●		●	●	●		●
Category 5E-350 STP		●	●							●	●					●	●		●		●	●	●		●
Category 6		●	●							●	●					●	●		●		●	●	●		●
Coaxial Cable																									
RG59/U Copper Braid		●	●	●				●		●						●			●			●	●		
RG59/U Aluminum Braid		●	●	●					●	●						●			●			●	●		
RG6/U 40% Aluminum Braid		●	●	●					●	●						●			●			●	●		
RG6/U 60% Aluminum Braid		●	●	●					●	●						●			●			●	●		
RG6/U Quad Aluminum Braid		●	●	●					●	●						●			●			●	●		
RG6/U with Messenger			●	●					●	●					●	●			●			●	●		
RG11/U with Messenger			●	●					●	●					●	●			●			●	●		
Multimedia Cable																									
2-RG6Q,2- Cat5e, Skipbound				●						●								●	●					●	
2-RG6Q,2- Cat5e, Jacketed				●						●								●	●					●	
2-RG6Q,2- Cat5e, & 2-Fibers, Skipbound				●						●								●	●					●	
2-RG6Q,2- Cat5e, & 2-Fibers, Jacketed				●						●								●	●					●	
Fiber Optic Cable																									
Indoor Distribution	●	●	●	●	●	●		●	●	●	●		●	●		●	●		●			●	●	●	
Indoor/Outdoor	●	●		●	●	●		●	●	●	●	●	●	●		●	●		●	●		●	●	●	
Aerial/Duct Direct Burial	●	●					●		●		●		●		●	●	●			●			●	●	
All Dielectric ADSS	●	●					●				●			●		●	●						●	●	
Electronic Cable																									
Multi-Cond. Unshld. Str.	●	●	●	●	●			●	●	●	●			●		●	●	●	●		●	●	●		
Multi-Cond. Shld. Str.	●	●	●	●	●			●	●	●	●			●		●	●	●	●		●	●	●		
Multi-Paired Ind. Shld. Str. Common Drn	●	●	●	●	●			●	●	●	●			●		●	●	●	●		●	●	●		
Multi-Paired Ind. Shld.Str.	●	●	●	●	●			●	●	●	●			●		●	●	●	●		●	●	●		
Multi-Cond. Unshld. Sol.	●	●	●	●	●			●	●	●	●			●		●	●	●	●		●	●	●		
Hybrid Cables	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●			●
Composite Cables	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	

Convergent Connectivity Technology

(866) 905-6744

(845) 651-3564 - fax

Convergent Connectivity Technology, Inc.

PAYMENT/PO ADDRESS
PO Box 454
Florida, NY 10921
www.cctcable.com

PHYSICAL/SHIPPING ADDRESS
468 Route 17A
Florida, NY 10921

MINIMUM ORDER: **$500.00**

PREPAID FREIGHT (within continental US): **$2,500.00 – Metro NY Area**
$3,500.00 – Eastern US
$5,000.00 – Western US

Sales/Technical Contacts

Joseph T. Moore
VP National Sales
(866) 905-6744
(845) 651-3564 fax
(845) 321-3121 cell
joem@cctcable.com

Sales Orders / Customer Service Contacts

Adam J. Moore
Sales
(866) 905-6744
(845) 651-5250
(845) 651-3564 fax
adamm@cctcable.com

Adam Wee
Sales
(866) 905 6744
845-651-5250
845-651-3564 fax
awee@cctcable.com

THE STRONGEST LINK IN YOUR SUPPLY CHAIN

TERMS & CONDITIONS OF SALES

Price: As per our company policy, price(s) herein may be based upon price(s) in effect at the time of shipment and as such, may not be the same as the price(s) on your order.

Payment: All invoices are to be paid in US $'s

Terms: Standard terms are Net 30 days (30 days from date of invoice)

Service Charges: A 1 ½ % service charge per month may be applied to any balance that is not paid within the terms set for the Buyers account. In the event that an account is turned over to collection for non payment, Buyer agrees to pay all costs of collection including reasonable attorney's fees.

Taxes: Liability for all taxes imposed by any government authority with respect to the goods ordered shall be assumed and paid by the Buyer.

Shipping Policy: Shipments totaling $3,500.00 (Eastern US) or $5,000 (Western US) or more to a single location on one date within the continental USA will be Freight Prepaid via negotiated overland truck. All other shipments will be freight collect with no freight allowance. Air shipments will only be accepted with written authorization from the Buyer. Additional charges (liftgate, limited access, inside delivery, residential deliveries, re-consignment, re-delivery, call before delivery, construction site) are not included in Pre-Paid shipments. We reserve the right to ship up to 10% of the total order on odd length spools. Cancelled orders are subject to a minimum $100.00 service fee. Random lengths other than standard packages may be available with an additional 15% discount.

Claims: Buyer agrees to inspect merchandise for defects and for conformity and agrees to check material against shipping papers upon unloading at destination. All claims must be filed by the Buyer within 30 days of shipment.

Returns: Returned merchandise must be full reels, undamaged and in the original unopened package. No returns will be accepted unless accompanied by a company issued and authorized Return Material Authorization (RMA). No merchandise may be returned after the expiration of sixty (60) days following the date of shipment. Restocking fees may be assessed for any returns made.

Refunds: No Cash refunds. Trade Credit only. All returns and other proper claims for credit may be applied toward future purchases only.

Delivery: Any shipment schedule is approximate. Seller shall not be liable for any delay in delivery or failure to deliver caused in whole or in part by any reason beyond Seller's control.

Special Orders: When Special Orders are accepted, the entire order must be taken. Special orders cannot be cancelled or modified once accepted and cannot be returned.

Modifications: Any modification of these Standard Terms and Conditions shall not be binding on Seller unless signed by an authorized representative of Seller, regardless of whether Seller has commenced shipping of any goods ordered hereunder or whether Seller has accepted payments therefore.

468 Route 17 A
PO Box 454
Florida, NY 10921
USA

Tel: 845 651 5250
Fax: 845 651 3564

Credit Application

True Business Name: _____ D&B rating_____
DBA/Trade Name: _____ Resale#_____
Address:_____City _____State:_____Zip:_____
Phone: _____ Fax:_____

Legal Entry: We are a: Proprietorship____Partnership___Corporation___Established since_____
In the state of_____Corp ID# _____Federal ID#_____

Principals

Name 1_____ SS #_____Title_____
Address: _____City, State, Zip_____

Banking Information

Bank_____ Address_____
Contact_____ Acct#_____Phone#_____

Trade references

Name_____
Address_____
City _____St _____Zip_____
Ph _____Fax_____

Name_____
Address_____
City _____St _____Zip_____
Ph _____Fax_____

Name_____
Address_____
City _____St___Zip_____
Ph _____Fax_____

Name_____
Address_____
City _____St ___Zip_____
Ph _____Fax_____

Terms & Conditions

I (we) acknowledge and agree as follows 1) that all accounts are due and payable according to the terms noted on each invoice. 2) Past due balances shall be subject to an interest charge of 1.5% per month from the date they are due, and payable through and including the date payment is received by CCT, INC. 3) returned checks are subject to a $20.00 service charge. 4) I (we) agree to be personally liable for any and all reasonable costs incurred and collection costs, whether or not suit is filed. Payment of said costs is to be made not later than seven (7) days from the date CCT, INC. provides documentation of same. 5) If legal action is filed I (we) agree venue will be Orange County, New York. 6) I personally guarantee payment of all sums due CCT, INC. and certify that the statements and information contained herein are accurate and correct, and further authorize CCT, INC., or its agents, to investigate the references or other data furnished by the undersigned.

Credit Line requested $_____

_____ _____ _____

Name (Print) **Signature** **Date**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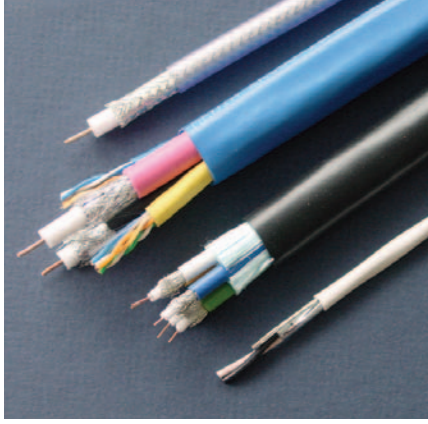








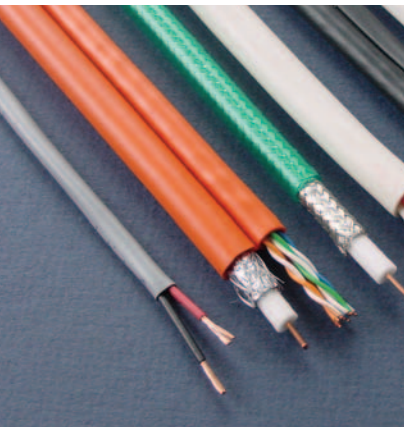




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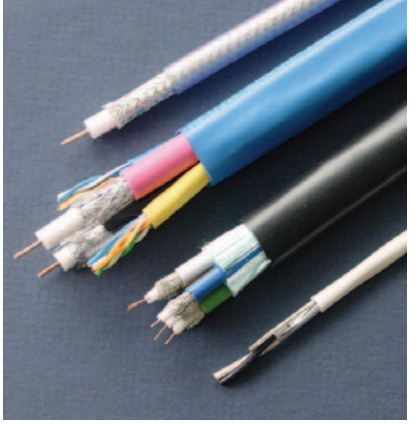




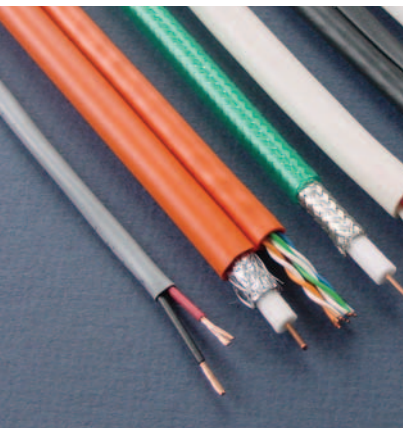




Table of Contents

CCT

Convergent Connectivity Technology

Toll Free: 1 866 905 6744

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Short overall twist lengths
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select Cables are available in plenum versions. See pages 17-19*
- *Select Cables are available in outdoor or direct burial versions*
- *Select cables are available in a pull out box*

Two Conductor
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
100†	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.118	3.00
101†	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.127	3.23
102†	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.141	3.58
103	2	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.137	3.48
104	2	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.146	3.71
105†	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.155	3.94
106† 107	2	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.189	4.80
108**† 109**	2	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.234	5.94
110**† 111**	2	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.269	6.83

For color codes see chart C on page 63

Three Conductor
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
112	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.141	3.58
113	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.150	3.58
114	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.158	4.01
115	3	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.153	3.89
116	3	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.163	4.14
117	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.174	4.42
118 119	3	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.202	5.13
120**	3	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.245	6.22
121**	3	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.307	7.80

Standard spool size 1000 feet **CL3R only. (UL) or (ETL)us defines type CMR as 26-16 AWG
†Available in a variety of jacket colors - Please contact factory for availability

For color codes see chart C on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Cabled construction
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuit
- Sound and Audio

Notes
- *Select Cables are available in plenum versions. See pages 17-19*
- *Orange ripcord under jacket*
- *Select Cables are available in outdoor or direct burial versions.*
- *Select cables are available in a pull out box*

Four Conductor
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
122	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.142	3.61
123	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.153	3.89
124	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.173	4.39
125	4	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.167	4.24
126	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.191	4.85
127	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.178	4.52
128	4	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.222	5.64
129**	4	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.292	7.42
130**	4	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.338	8.59

For color codes see chart A on page 63

Multiple Conductor 22 AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
131	5	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.155	3.94
132	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.169	4.29
133	8	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.183	4.64
134	10	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.214	5.43
135	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.231	5.86
136	15	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.256	6.50
137	20	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.284	7.21
138	25	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.315	8.00
139	30	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.334	8.48

Standard spool size 1000 feet **CL3R only. (UL) or (ETL)us defines type CMR as 26-16 AWG

For color codes see chart A on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Cabled construction
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select Cables are available in plenum versions See pages 17-19*
- *Orange ripcord under jacket*
- *Select cables are available in a pull out box*

Multiple Conductor 22 AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
140	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.168	4.27
141	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.183	4.65
142	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.198	5.03
143	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.243	6.17
144	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.251	6.38
145	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.278	7.06
146	20	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.308	7.82
147	25	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.343	8.71
148	30	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.364	9.25

For color codes see chart A on page 63

Multiple Conductor 20 AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
149	5	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.189	4.80
150	7	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.207	5.26
151	9	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.253	6.43
152	12	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.284	7.21
153	15	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.315	8.00
154	20	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.351	8.92

Standard spool size 1000 feet

For color codes see chart A on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Cabled construction
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Orange ripcord under jacket*
- *Select cables are available in a pull out box*

Multiple Conductor 18 AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
155	5	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.210	5.33
156	7	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.240	6.10
157	9	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.280	7.11
158	12	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.316	8.03
159	15	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.351	8.92
160	20	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.391	9.93
161	25	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.436	11.07
162	30	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.464	11.79

For color codes see chart A on page 63

Multiple Conductor 16 AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
163	7	16 (19x29) 4.2 Ω/M'	.010	.25	.020	.51	.278	7.06

Standard spool size 1000 feet

For color codes see chart A on page 63

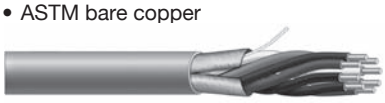
Communication and Control Cable

Description
- Overall shield 100% coverage of aluminum polyester foil with 22 or 24 AWG strd. TC drain wire
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Cabled construction
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirments as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select Cables are available in plenum versions. See pages 17-19*
- *Orange ripcord included on cables containing 5 or more conductors*
- *Select cables are available in a pull out box*



Multiple Conductor 22 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
1000††	4	22 Solid Tinned Copper 17.5 Ω/M'	.010	.25	.015	.38	.146	3.71	54	177	97	318
1001	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.157	3.99	55	180	99	325
1002	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.172	4.37	55	180	99	325
1003	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.187	4.75	55	180	99	325
1004	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.212	5.39	55	180	99	325
1005	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.247	6.27	55	180	99	325
1006	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.255	6.48	55	180	99	325
1007	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.282	7.16	55	180	99	325
1008	20	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.312	7.93	55	180	99	325
1009	25	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.347	8.81	55	180	99	325
1010	30	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.368	9.35	55	180	99	325

For color codes see chart A on page 63

Multiple Conductor 20 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
1011	4	20 (7x28) Tinned Copper 10.5 Ω/M†	.010	.25	.015	.38	.176	4.47	60	197	108	354
1012	5	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.193	4.90	60	197	108	354
1013	7	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.211	5.36	60	197	108	354
1014	9	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.256	6.50	60	197	108	354
1015	12	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.288	7.32	60	197	108	354
1016	15	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.319	8.10	60	197	108	354
1017	20	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.354	8.99	60	197	108	354

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet ††1000 has a 22 AWG solid drain wire

For color codes see chart A on page 63

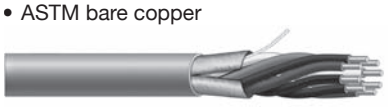
Communication and Control Cable

Description
- Overall shield 100% coverage of aluminum polyester foil with 20 AWG strd. TC drain wire
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Cabled construction
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Orange ripcord included on cables containing 5 or more conductors*
- *Select cables are available in a pull out box*



Multiple Conductor 18 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
1018	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.195	4.95	68	223	122	400
1019	5	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.214	5.44	68	223	122	400
1020	6	18 (7x26) Tinned Copper	.010	.25	.015	.38	.243	6.17	68	223	122	400
1021	7	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.245	6.22	68	223	122	400
1022	9	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.284	7.21	68	223	122	400
1023	12	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.319	8.10	68	223	122	400
1024	15	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.354	8.99	68	223	122	400
1025	20	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.395	10.03	68	223	122	400

For color codes see chart A on page 63

Multiple Conductor 16 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
1026	4	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.235	5.97	80	262	144	472

For color codes see chart A on page 63

Combination AWG
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
1501	6	4-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.198	5.03
1502	7	5-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.199	5.05
1503	8	6-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.211	5.36
1504	9	7-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.226	5.74
1505	10	8-22 (7x30) 2-18 (7x26	.010	.25	.015	.38	.255	6.48

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see chart D on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- ASTM tinned copper
- Overall PVC jacket
- Cabled construction
- Short overall twist lengths
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire.
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select cables available in outdoor or direct burial versions*
- *Orange ripcord under jacket*
- *Select Cables available in plenum versions* *See pg. 17-19*

Two Conductor Twisted Pair
Overall Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	mm	Nom. Jacket Thickness inch	mm	Nom. O. D. inch	mm	Nominal Capacitance pf/ft*	pf/m*	pf/ft**	pf/m**
1027	2	24 (7x32) 26 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.109	2.77	45	148	81	266
1028	2	20 Solid 10.1 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.135	3.43	63	207	114	374
1029†	2	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.123	3.12	54	177	97	318
1030†	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.131	3.33	55	180	99	325
1031† 1032	2	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.142	3.61	60	197	108	354
1033†	2	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.159	4.04	68	223	122	400
1034	2	16 (19x29) 4.4 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.182	4.62	80	262	144	472
1035‡	2	14 (19x27) BC 2.7 Ω/M' 16 Strd. Drain	.014	.36	.015	.38	.238	6.05	76	249	137	449
1036‡	2	12 (19x25) BC 1.7 Ω/M' 16 Strd. Drain	.014	.36	.015	.38	.272	6.91	88	289	158	519

For color codes see chart E on page 63

Three Conductor
Overall Shielded with Gray Jacket

1037	3	22 Solid 17.5 Ω/M† 22 Sld. Drain	.010	.25	.015	.38	.134	3.40	54	177	97	318
1038	3	22 (7x30) 17 Ω/M† 24 Strd. Drain	.010	.25	.015	.38	.145	3.68	55	180	99	325
1039	3	20 (7x28) 10.5 Ω/M† 22 Strd. Drain	.010	.25	.015	.38	.162	4.12	60	197	108	354
1040	3	18 (7x26) 6.6 Ω/M† 20 Strd. Drain	.010	.25	.015	.38	.178	4.52	68	223	122	400
1041	3	16 (19x29) 4.4 Ω/M† 18 Strd. Drain	.010	.25	.015	.38	.206	5.23	80	262	144	472
1042‡	3	14 (19x27) Bare Copper 2.7 Ω/M† 16 Strd. Drain	.014	.36	015	.38	.270	6.86	76	249	137	449
1043	3	20 Solid 10.1 Ω/M† 22 Sld. Drain	.010	.25	015	.38	.149	3.79	63	207	114	374

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability
‡CL3R only. (UL) or (ETL)us defines type CMR as 26-16 AWG

For color codes see chart A on page 63

Communication and Control Cable

Description
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire
- PVC fillers as required
- PVC and Polypropylene insulation
- ASTM tinned copper
- Overall PVC jacket
- Polyester binders as required
- Short overall twist lengths

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR and CM
- Meets 300 volt requirements as specified in Article 800 the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio
- Broadcast & Recording

Notes
- *Select cables are available in plenum versions See pages 17-19*
- *Select cables are available in a pull out box*
- *Select cables are available in outdoor versions*
- *Orange ripcord included on cables containing 5 or more conductors*

22 AWG Minature Audio Cable
Overall Shielded with Black Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
1044	2	22 Solid 17.5 Ω/M' 22 Solid Drain	.006	.15	.020	.51	.118	3.00	34	112	67	220
1045	3	22 Solid 17.5 Ω/M' 22 Solid Drain	.006	.15	.020	.51	.130	3.30	34	112	67	220
1046	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.008	.20	.020	.51	.135	3.43	32	105	58	190

For color codes see chart A on page 63

Sound and Audio
Special Cable with Gray Jacket

Part No.	No. of Conductors and Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
1506	1 Overall Shielded	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.135	2.31	55	180	99	325
1507	3 (2 Shielded) (1 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.159	4.03	54	177	97	318
1508	3 (2 Shielded) (1 Unshielded)	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.169	4.29	55	180	99	325
1509††	4 (2 Shielded) (2 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.156	3.96	54	177	97	318
1510†	4 (2 Shielded) (2 Unshielded)	20 (7x28) 18 (7x26)	.010	.25	.015	.38	.200	5.08	60	197	108	354
1511†	4 (2 Shielded) (2 Unshielded	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.168	4.27	55	180	99	325
1512	3 (2 Shielded) (1 Unshielded)	20 (7x28) 22 Strd. Drain	.010	.25	.015	.38	.189	4.80	60	197	108	354
1513	4 (2 Shielded) (2 Unshielded)	20 (7x28) 22 Strd. Drain	.010	.25	.015	.38	.191	4.85	60	197	108	354
1514	4 (2 Shielded) (2 Unshielded)	18 (7x26) 20 Strd. Drain	.010	.25	.015	.38	.209	5.31	68	223	122	400
1515	6 (2 Shielded) (4 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.174	4.42	54	177	97	318
1516	8 (2 Shielded) (6 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.184	4.67	54	177	97	318
1517	12 (2 Shielded) (10 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.237	6.02	54	177	97	318

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability
††Shielded pair contains 22 AWG strd. drain wire.

For color codes see chart F on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Polyester binders as required
- Short overall twist lengths

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select cables are available in a pull out box*
- *Select cables are available in outdoor versions*
- *Orange ripcord included on cables containing 3 or more pairs*

Multiple Pair 22 AWG
Unshielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
2000	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.179	4.55
2001	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.193	4.90
2002	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.212	5.39
2003	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.266	6.76
2004	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.312	7.93
2005	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.352	8.94
2006	16	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.392	9.96
2007	19	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.415	10.54
2008	23	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.461	11.71
2009	27	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.498	12.65

For color codes see chart B on page 63

Multiple Pair 22 AWG
Unshielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
2010	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.197	5.00
2011	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.210	5.33
2012	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.230	5.84
2013	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.289	7.34
2014	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.340	8.64
2015	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.384	9.75
2016	16	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.428	10.87

Standard spool size 1000 feet

For color codes see chart B on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Short overall twist lengths
- Polyester binders as required

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select cables are available in a pull out box*
- *Orange ripcord included on cables containing 3 or more pairs*

Multiple Pair 20 AWG
Unshielded with Gray Jacket

Pair No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
2017	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.223	5.66
2018	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.248	6.30
2019	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.272	6.91
2020	6	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.328	8.33

For color codes see chart B on page 63

Multiple Pair 18 AWG
Unshielded with Gray Jacket

Pair No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
2021	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.248	6.30
2022	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.275	6.99
2023	4	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.302	7.67
2024	6	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.366	9.30
2025	9	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.432	10.97

Standard spool size 1000 feet

For color codes see chart B on page 63

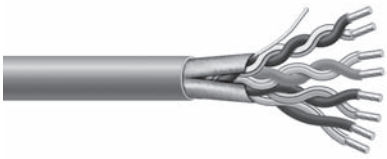
Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Polyester binders as required
- Overall shielded 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire
- Short overall twist lengths

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

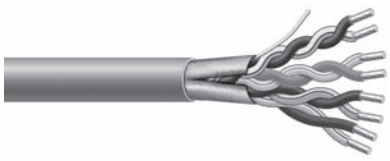
Notes
- *Select cables are available in a pull out box*
- *Orange ripcord included on cables containing 3 or more pairs*



Multiple Pair 22 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
2501	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.185	4.70	54	177	97	318
2502	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.197	5.00	54	177	97	318
2503	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.216	5.49	54	177	97	318
2504	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.270	6.86	54	177	97	318
2505	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.316	8.03	54	177	97	318
2506	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.356	9.04	54	177	97	318
2507	16	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.396	10.06	54	177	97	318
2508	19	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.418	10.62	54	177	97	318
2509	23	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.464	11.79	54	177	97	318
2510	27	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.505	12.83	54	177	97	318

For color codes see chart B on page 63



Multiple Pair 22 AWG
Overall Shielded with Gray Jacket - Stranded

Part No.	No. of Pairs.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
2511	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.201	5.11	55	180	99	325
2512	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325
2513	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.244	6.20	55	180	99	325
2514	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.293	7.44	55	180	99	325
2515	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.343	8.71	55	180	99	325
2516	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.388	9.86	55	180	99	325
2517	16	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.432	10.97	55	180	99	325

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see chart B on page 63

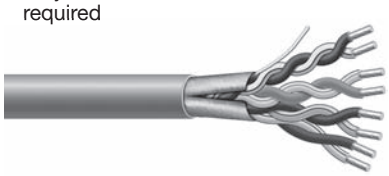
Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare and tinned copper
- Overall PVC jacket
- Polyester binders as required
- Overall and each pair shielded 100% coverage of aluminum polyester foil with strd. and 22 AWG solid TC drain wire
- Short overall twist lengths

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select cables are available in a pull out box*
- *Orange ripcord included on cables containing 3 or more pairs*



Multiple Pair 20 AWG
Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
2518	2	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.227	5.77	60	197	108	354
2519	3	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.252	6.40	60	197	108	354
2520	4	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.276	7.01	60	197	108	354
2521	6	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.020	.51	.332	8.43	60	197	108	354

Multiple Pair 18 AWG Overall Shielded with Gray Jacket

For color codes see chart B on page 64

2522	2	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.252	6.40	68	223	122	400
2523	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.279	7.09	68	223	122	400
2524	4	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.306	7.77	68	223	122	400
2525	6	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.020	.51	.369	9.37	68	223	122	400
2526	9	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.020	.51	.436	11.07	68	223	122	400

For color codes see chart B on page 63

Multiple Pair Cable 22 AWG
Each Pair Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
3000	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.195	4.95	54	177	97	318
3001	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.207	5.26	54	177	97	318
3002	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.228	5.80	54	177	97	318
3003	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.285	7.24	54	177	97	318
3004	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.336	8.53	54	177	97	318
3005	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.379	9.63	54	177	97	318
3006	15	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.423	10.47	54	177	97	318

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see chart B on page 63

Communication and Control Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM tinned copper
- Overall PVC jacket
- Polyester binders as required
- Each pair shielded 100% coverage of aluminum polyester foil with 24 or 20 AWG strd. TC drain wire
- Short overall twist lengths

Ratings
(UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Background Music
- Intercom Systems
- Power-Limited Control Circuits
- Sound and Audio

Notes
- *Select cables are available in a pull out box*
- *Orange ripcord included on cables containing 3 or more pairs*
- *For plenum see page 19*

Multiple Pair Cable 22 AWG
Each Pair Shielded with Gray Jacket - Stranded

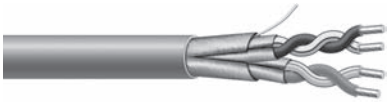
Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
3007	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.195	4.95	55	180	99	325
3008	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.207	5.26	55	180	99	325
3009	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.228	5.80	55	180	99	325
3010	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.285	7.24	55	180	99	325
3011	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.336	8.53	55	180	99	325
3012	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.379	9.63	55	180	99	325
3013	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.423	10.47	55	180	99	325
3014	19	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.490	10.47	55	180	99	325
3015	27	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.593	10.47	55	180	99	325

For color codes see chart B on page 63

Multiple Pair Cable 18 AWG
Each Pair Shielded with Gray Jacket

3016	2	18 (7x26) 6.6 Ω/M'	.010	.25	.015	.38	271	6.88	68	223	122	400
3017	3	18 (7x26) 6.6 Ω/M'	.010	.25	.015	.38	.289	7.34	68	223	122	400
3018	4	18 (7x26) 6.6 Ω/M'	.010	.25	.020	.51	.318	8.08	68	223	122	400
3019	6	18 (7x26) 6.6 Ω/M'†	.010	.25	.020	.51	.385	9.78	68	223	122	400

For color codes see chart B on page 63



Special Purpose Cable
Individually Shielded Pairs with Overall Shield with Gray Jacket

3020	2	22 (7x30) 6.6 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325
3021	2	22 (7x30) 17.5 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325

Color Code: Black/Red, White/Green

3020 employs individually shielded pairs plus overall shield with one 24 AWG strd. drain wire common to all shields to ensure greater shielding and lower DC resistance.
3021 employs individually shielded pairs with a 24 AWG strd. drain wire for each pair plus an overall shield with 24 AWG strd. drain wire.

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield Standard spool size 1000 feet

Communication and Control Cable

Description
- PVC fillers as required
- ASTM tinned and bare copper
- PVC insulation
- Short overall twist lengths
- Polyester binders as required
- Overall PVC jacket
- Shielded component 100% coverage of aluminum polyester foil with TC drain wire
- Cabled construction

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Security Systems
- Intercom Systems
- Background Music
- Sound and Audio
- Power-Limited Control Circuits

Notes
- *Orange ripcord included on cables containing 5 or more conductors*
- *Orange ripcord under jacket*
- *For plenum see page 19*
- *Select cables are available in a pull out box*

Special Purpose Cable
with Gray Jacket

Part No.	No. of Cond.	Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm
1518[1]	5	1 Pair + 1 Cond. Shielded 1 Unshielded Pair	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.198	5.39
1519[2]	6	1 Shielded Pair 2 Unshielded Pairs	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.212	5.03
1520[3]	4	1 Unshielded Pair 1 Unshielded Pair	18 (7x26) 22 (7x30)	.010	.25	.015	.38	.222	5.64

Special Purpose Cable
Unshielded with Gray Jacket

Color Code: 1. Blk/Red & Wht under shield with Blk/Green outside
2. Shld Pr: Blk/Red Unshld Prs: Blk/Green & Blk Wht
3. 18 AWG: Blk/Wht. 22 AWG: Red/Green

Part No.	No. of Cond.	AWG Size and Construction	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm
1521	6	3-16 AWG (19x29) 3-20 AWG (7x28)	.010	.25	.015	.38	.238	6.05
1522	8	3-16 AWG (19x29) 5-20 AWG (7x28)	.010	.25	.015	.38	.320	6.60

Special Purpose Cable
Shielded and Unshielded with Gray Jacket

Color Code: 20 AWG: 1. Green 2. Blue 3. Purple 4. Wht 5. Gray
16 AWG: 1. Blk 2. Red 3. Yellow

Part No.	No. of Cond.	AWG Size and Construction Cable Composition	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm
1523	12	1 Pr. 22 (7x30) w/AL Shield and 24 (Strd.) Drain Wire 10 Unshielded 22 (7x30) Conductors	.015	.38	.015	.38	.292	7.42
1524	17	1 Pr. 22 (7x30) w/AL Shield and 24 (Strd.) Drain Wire PLUS 15 Unshielded 22 (7x30) Conductors	.015	.38	.020	.51	.330	8.38
1525	9	1 Pr. 18 (7x26) Plus 1 Conductor 18 (7x26) w/AL Shield 18 Strd. TC Drain Wire	.010 .018	.25 .46	.035	.89	.419	10.64
		3 Conductors 18 (7x26) w/AL Shield 18 Strd. TC Drain Wire	.018	..46				
		1 Pair 18 (7x26) w/AL Shield 18 Strd. TC Drain Wire	.018	..46				
		1 Unshielded Conductor 16 (19x29)	.020	.51				
1526	6	3-22 (7x30) Shielded Conductors and 3-18 (7x26) Unshielded Conductors	.015 .010	.38 .25	.015	.38	.230	5.84

Standard spool size 1000 feet

For color codes see chart G on page 63

Communication and Control Cable

Description
- PVC fillers as required
- ASTM bare copper
- PVC insulation
- PVC insulation with nylon
- Polyester binders as required
- PVC sunlight resistant jacket
- Overall PVC jacket
- Cabled construction
- Short overall twist lengths
- Twisted pair construction

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMR, TC, CL2
- Meets 300 volt requirements as specified in Article 800 of the NEC
- Class 1 600 volts
- 170 NEC type CL2
- 171 NEC type CL2P

Indoor Applications
- Security Systems
- Intercom Systems
- Background Music
- Sound and Audio
- Power-Limited Control Circuits
- Sound and Audio
- Cluster Speaker Cable

Station Wire
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size and Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
164	4	22 Solid	.010	.25	.015	.38	.142	3.61
165	6	22 Solid	.010	.25	.015	.38	.169	4.29

No ripcord....Select cables are available in a pull out box

Color Code: 1. Black 2. Green 3. Yellow 4. Black 5. White 6. Blue

Cluster Speaker Cable
Twisted Pair Unjacketed

Part No.	No. of Cond.	AWG Size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. O. D.	
			inch	mm	inch	mm
166	2	16 (19x29) 4.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.194	4.93
167	2	14 (41x30) 4.2 Ω/M'	.015 PVC .005 Nylon	.38 .13	.222	5.64
168	2	12 (65x30) 1.7 Ω/M'	.015 PVC .005 Nylon	.38 .13	.260	6.60

Color Code: 1. Black 2. White

Cluster Speaker Cable
Twisted Pair with Gray Jacket

Part No.	No. of Cond.	AWG Size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
169	2	10 (65x28 1.10 Ω/M')	.020 PVC .005 Nylon	.47 .13	.047	1.19	.357	9.07

Approved for direct burial and outdoor use

Color Code: 1. Black 2. White

Cluster Speaker Cable
Twisted Pair with Gray and Ivory Jackets

Part No.	No. of Cond.	AWG Size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
170† Gray Jacket	2	10 (65x28) 1.10 Ω/M'	.012	.31	.020	.47	.275	6.99
171‡ Ivory Jacket	2	10 (65x28) 1.10 Ω/M'	.008	.20	.015	.38	.275	6.99

Standard spool size 1000 feet †Insulation Polyoefin ‡ Insulation Flouropolymer

Color Code: 1. Black 2. White

Communication and Control Cable PLENUM

Description
- Polymer alloy insulation
- Short overall twist lengths
- ASTM bare copper
- Polyester binders as required
- Flexible plenum jacket
- Cabled construction

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL) Listed
- NEC Type CMP
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
Within ducts, plenums and other spaces used for environmental air for:
- Security Systems
- Background Music
- Intercom Systems
- Sound and Audio
- Other applications as defined in NEC Article 800 Communications Circuits

Notes
- *Select cables are available in a pullout box*

Two Conductor
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
725100†	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.110	2.79
725101	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.125	3.18
725102†	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.138	3.51
725103†	2	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.159	4.04
725104‡†	2	14 (19x27) 2.7 Ω/M'	.012	.30	.015	.38	.190	4.83
725105‡	2	12 (19x25) 1.7 Ω/M'	.012	.30	.015	.38	.221	5.61

For color codes see chart A on page 63

Multiple Conductor
Unshielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
725106	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.173	4.39
725107‡	3	14 (7x.0242) 2.6 Ω/M'	.012	.30	.015	.38	.240	6.10
725108	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.148	3.76
725109	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.170	4.32
725110	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.189	4.80
725111	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.177	4.50
725112	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.195	4.95
725113	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.230	5.84
725114	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.238	6.05
725115	6	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.228	5.79

Standard spool size 1000 feet ‡CL2P only. (UL) or (ETL)us defines type CMP as 26-16 AWG
†Available in a variety of jacket colors - Please contact factory for availability

For color codes see chart A on page 63

Communication and Control Cable PLENUM

Description
- Polymer alloy insulation
- ASTM bare copper
- Twisted pair construction
- Overall shield coverage 100% aluminum polyester foil w/TC drain wire
- Flexible plenum jacket
- Polyester binders as required
- Cabled construction

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMP
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
Within ducts, plenums and other spaces used for environmental air for:
- Security Systems
- Background Music
- Intercom Systems
- Sound and Audio
- Other applications as defined in NEC Article 800 Communications Circuits

Two Conductor
Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
725200†	1 Pair	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.121	3.07	54	177	97	318
725201†	1 Pair	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.128	3.25	55	180	99	325
725202†	1 Pair	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.143	3.63	60	197	108	354
725203†	1 Pair	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.158	4.01	68	223	122	400
725204	1 Pair	16 (19x29) 4.2 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.180	4.57	75	246	140	459
725205‡	1 Pair	14 (19x27) 2.7 Ω/M' 20 Strd. Drain	.012	.30	.015	.38	.220	5.59	76	249	137	449
725206‡	1 Pair	12 (19x25) 1.7 Ω/M' 20 Strd. Drain	.012	.30	.015	.38	.246	6.25	88	288	158	518

For color codes see chart A on page 63

Multiple Conductor
Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
725207†	3	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.133	3.38	54	177	97	318
725208	3	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.141	3.58	55	180	99	325
725209	4	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.153	3.88	55	180	99	325
725210	6	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.182	4.62	55	180	99	325
725211	8	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.197	5.00	55	180	99	325
725212	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.175	4.45	68	223	122	400
725213	4	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.194	4.93	68	223	122	400
725214	6	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.232	5.89	68	223	122	400

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability
‡CL2P only. (UL) or (ETL)us defines type CMP as 26-16 AWG Select cables are available in a pullout box

For color codes see chart A on page 63

Communication and Control Cable PLENUM

Description
- ASTM bare copper
- Twisted pair construction
- Shielded component coverage 100% aluminum polyester foil w/TC drain wire
- Flexible plenum jacket
- Polyester binders as required
- Cabled Construction
- Polymer alloy & Flouro-polymer insulation
- Short overall twist lengths
- Each pair shielded with aluminum polyester foil

Ratings
- (UL)-C(UL) Listed or (ETL)us-c(ETL)us Listed
- NEC Type CMP
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
(non-conduit per NEC) Within ducts, plenums and other spaces used for environmental air for:
- Security Systems
- Background Music
- Intercom Systems
- Sound Systems
- Pro Audio
- Other applications as defined in NEC Article 800 Communications Circuits

Combination
Shielded and Unshielded with Gray Jacket

Part No.	No. of Cond. Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
725300	3 2 Shld. 1 Unshld.	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.165	4.19	55	180	99	325
725301†	4 2 Shld. 2 Unshld.	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.153	3.89	54	177	97	318
725302†	4 2 Shld. 2 Unshld.	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.162	4.11	55	180	99	325
725303	3 2 Shld. 1 Unshld.	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.182	4.62	60	197	108	354
725304	4 2 Shld. 2 Unshld.	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.186	4.72	60	197	108	354
725305[1]	5 3 Shld. 2 Unshld.	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.208	5.28	54	177	97	318

Multiple Pair
Individually Shielded with Gray Jacket

For color codes see chart A on page 63
1. Black & Red under shield with White cond. Black & Green outside of shield

Employs individually shielded pairs with one 24 AWG strd. drain common to all shields

Part No.	No. of Pairs.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
725351†	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.204	5.18	55	180	99	325
		Employs individually shielded pairs with one 20 AWG strd. drain common to all shields										
725352	2	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.257	6.53	68	223	122	400

For color codes see chart A on page 63

Special Purpose Cable
with Ivory Jacket

Part No.	No. of Cond.	Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm
725306	5	1 Pair + 1 Cond. Shielded 1 Unshielded Pair	22 Solid 17.5 Ω/M' 22 Sld. Drain	.007	.18	.015	.38	.196	4.98
725307	6	1 Shielded Pair 2 Unshielded Pairs	22 Solid 17.5 Ω/M' 22 Sld. Drain	.007	.18	.015	.38	.179	4.55
725308	4	1 Unshielded Pair 1 Unshielded Pair	18 (7x26) 22 (7x30)	.007	.18	.015	.38	.200	5.08

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability
Select cables are available in a pullout box

For color codes see chart H on page 64

AquaBlock™ Communication Cable

Description
- PVC fillers as required
- ASTM tinned copper
- PVC insulation
- Short overall twist lengths
- Polyester binders as required
- Overall sunlight and moisture resistant PVC jacket
- Shielded pair 100% coverage of aluminum polyester foil with TC drain wire
- Shielded constructions contain 100% coverage of aluminum polyester foil with TC drain wire
- AquaBlock construction

Ratings
- (UL)-C(UL) Listed
- (ETL)us-c(ETL)us Listed
- NEC Type CM or CL3
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

Applications
Materials suitable for outdoor use & indoor trays for:
- Security Systems
- Intercom Systems
- Background Music
- Sound and Audio
- Power-Limited Control Circuits

Combination
Shielded and Unshielded with Gray Jacket

Part No.	No. of Conductors and Cable Construction	AWG Size & Stranding Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
WB1550[2]	3 (2 Shielded) (1 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.025	.64	.215	5.46	54	177	97	318
WB1551[2]	3 (2 Shielded) (1 Unshielded)	22 (7x30) 24 Strd. Drain	.010	.25	.025	.64	.230	5.84	55	180	99	325
WB1552[2]	4 (2 Shielded) (2 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.025	.64	.220	5.59	54	177	97	318
WB1553[2]	4 (2 Shielded) (2 Unshielded)	22 (7x30) 24 Strd. Drain	.010	.25	.025	.64	.235	5.97	55	180	99	325
WB1554[1]	6 (2 Shielded) (4 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.025	.64	.240	6.10	54	177	97	318
WB1555[3]	6 (2 Shielded) (4 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.025	.64	.260	6.60	54	177	97	318
WB1556[2]	4 (2 Shielded) (2 Unshielded)	20 (7x28) 22 (7x30)	.010	.25	.025	.64	.266	6.76	60	197	108	354
WB1557[2]	3 (2 Shielded) (1 Unshielded)	20 (7x28) 22 (7x30)	.010	.25	.025	.64	.260	6.68	60	197	108	354

[1] **For color codes see chart A on page 63**
[2] Shielded: 1. Black 2. Red
Unshielded: 3. White 4. Green
[3] Shielded Pair: Black/Red
Unshielded Pairs: Black/Green & Black/White

Two & Multiple Conductor
Shielded with Gray Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
WB2550	1 Pair	22 Solid 17.5 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.200	5.12	54	177	97	318
WB2551	1 Pair	22 (7x30) 17.5 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.205	5.21	55	180	99	318
WB1051	15 Conductor	22 (7x30) BC 17.5 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.361	9.17	55	180	99	318
WB2552	1 Pair	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.025	.64	.220	5.59	60	197	108	354
WB2553	1 Pair	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.025	.64	.235	5.97	68	223	122	400
WB1052	6 Conductor	18 (7x26) BC 6.2 Ω/M' 20 Strd. Drain	.010	.25	.025	.64	.323	8.20	68	223	122	400
WB1053	12 Conductor	18 (7x26) BC 6.2 Ω/M' 20 Strd. Drain	.010	.25	.025	.64	.410	10.4	68	223	122	400

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet Orange ripcord under jacket

For color codes see chart A on page 63

AquaBlock™ Communication Cable

Description

- PVC fillers as required
- ASTM bare and tinned copper
- Unshielded
- Polyester binders as required
- AquaBlock construction
- Overall sunlight and moisture resistant PVC jacket
- Short overall twist lengths
- Each pair shielded 100% coverage of aluminum polyester foil with TC drain wire
- PVC insulation

Ratings

- (UL)-C(UL) Listed
- (ETL)us-c(ETL)us Listed
- NEC Type CM or CL3
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

Applications

Materials suitable for outdoor use & indoor trays for:

- Security Systems
- Intercom Systems
- Background Music
- Sound and Audio
- Power-Limited Control Circuits

Multiple Conductor
Unshielded

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
WB2031	1 Pair	18 (7x26) Bare Copper 6.2 Ω/M'	.010	.25	.025	.64	.194	4.93	N/A Unshielded Cable			
WB2047	8 Conductor	18 (7x26) Bare Copper 6.2 Ω/M'	.010	.25	.025	.64	.340	8.64	N/A Unshielded Cable			
WB2032	1 Pair	16 (19x29) Bare Copper 4.2 Ω/M'	.010	.25	.025	.64	.228	5.79	N/A Unshielded Cable			
WB2048	4 Conductor	22 Solid Bare Copper 17.5 Ω/M'	.010	.25	.025	.64	.194	4.95	N/A Unshielded Cable			

For color codes see chart A on page 63

Multiple Pair Cable
Each Par Individually Shielded

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
WB3022	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.380	9.65	55	180	99	325
WB3023	4	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.427	10.85	55	180	99	325
WB3024	6	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.520	13.21	55	180	99	325
WB3025	12	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.025	.64	.698	17.73	55	180	99	325

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield

Orange ripcord under jacket

For color codes see chart B on page 63

AquaBlock™ Communication Cable

Coaxial Cables/ Pro-Video/CCTV/CATV with Sunlight Resistant PVC Black Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nom. Vel. of Prop.	Nom. Imp. Ω
 WB5025 HDTV, DTV SDI- Serial Digital Digital Video Cable	CM	20 Solid Bare Copper 10.0 Ω/M'	.142	3.61 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.242	6.15	16.2	53.1	83%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.28	.92	360	4.3	14.1
10	.66	2.16	720	6.23	20.43
71.5	1.93	6.33	1000	7.49	24.57
185	3.0	9.8	1500	9.16	30
270	3.79	12.4	3000	13.23	43.40

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nom. Vel. of Prop.	Nom. Imp. Ω
 WB5026 CCTV	CM	20 Solid Bare Copper 10.0 Ω/M''	.142	3.61 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%	.242	6.15	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.30	.99	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
100	2.40	7.87	1000	7.80	25.58
200	3.54	11.60			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nom. Vel. of Prop.	Nom. Imp. Ω
 WB5027 Digital Satellite Cable CATV	CM	18 Solid Bare Copper 6.2 Ω/M''	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Aluminum Braid 65%	.275	6.99	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.45	1.5	700	6.0	19.7
55	1.6	5.2	1000	8.0	26.2
100	2.0	6.6	1450	10.3	33.8
400	4.5	14.8	2000	12.6	41.3

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nom. Vel. of Prop.	Nom. Imp. Ω
 WB5028 CCTV	CM	18 Solid Bare Copper 6.2 Ω/M''	.180	4.57 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%	.280	7.11	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nom. Vel. of Prop.	Nom. Imp. Ω
 WB5029 This cable contains 1 Coax Unit plus 1 pair 16 AWG Unshielded AquaBlock Cable	CM	18 Solid Bare Copper 6.2 Ω/M''	.180	4.57 Gas Injected PE‡	Bare Copper Braid 95%	.280 x .580	7.11 x 14.73	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Fire Alarm Signaling Cable

Description
- PVC fillers as required
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Twisted pair or cabled construction
- Polyester binders as required
- Overall shield 100% coverage of aluminum polyester foil with tinned copper drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type FPLR
- Meets 300 volt requirement as specified in Article 760 of the NEC

Indoor Applications
- Audio circuits
- Control circuits
- Initiating circuits
- Notification circuits

Notes
- *Select Cables are available in outdoor and direct burial versions*
- *Orange ripcord under jacket*

Power Limited Multiple Conductor
Unshielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
4000	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.169	4.29
4001	8	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.183	4.65
4051†	1 Pair	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.146	3.71
4002†	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.178	4.52
4003†	6	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.214	5.44
4004	8	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.242	6.15
4005	10	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.284	7.21
4052†	1 Pair	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.155	3.94
4006	4	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.203	5.16
4053	1 Pair	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.195	4.95
4007	4	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.240	6.09
4054	1 Pair	12 Solid 1.8 Ω/M'	.012	.30	.015	.38	.225	5.72

For color codes see chart A on page 63

Power Limited Multiple Conductor
Overall Shielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
4026‡	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.146	3.71	54	177	97	318
4076†	1 Pair	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.149	3.79	73	239	133	436
4027	3	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.167	4.24	73	239	133	436
4028	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.182	4.62	73	239	133	436
4077†	1 Pair	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.160	4.06	82	269	148	486
4029	4	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.207	5.26	82	269	148	486
4078	1 Pair	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.201	5.11	84	276	151	495
4079	1 Pair	12 Solid 1.8 Ω/M'	.012	.30	.015	.38	.230	5.84	96	315	173	568

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability
‡4026 has a 22 AWG solid tinned copper drain wire

For color codes see chart I on page 64

Fire Alarm Signaling Cable

Description
- FR Polypropylene insulation
- Short overall twist lengths
- ASTM bare copper
- Polyester binders as required
- PVC fillers as required
- Unshielded construction
- Overall PVC jacket
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type FPL
- Meets 300 volt requirement as specified in Article 760 of the NEC

Indoor Applications
Indoor data fire alarm cable for:
- Data circuits
- Notification circuits
- Initiating circuits
- Addressable systems

Notes
- *Orange ripcord under jacket*

Power Limited
Unshielded Addressable System Data Cable with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance		Nom. Vel. of Prop.
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	
4055	1 Pair	18 Solid 6.5 Ω/M'	.015	.38	.030	.76	.182	4.62	16	52	71%
4008	4	18 Solid 6.5 Ω/M'	.015	.38	.030	.76	.230	5.84	16	52	71%
4056	1 Pair	16 Solid 4.1 Ω/M'	.015	.38	.030	.76	.223	5.66	18	59	71%

For color codes see chart I on page 64

Power Limited
Shielded Addressable System Data Grade with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance				Nom. Vel. of Prop.
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**	
4080	1 Pair	18 Solid 6.5 Ω/M'	.015	.38	.030	.76	.210	5.33	25	82	45	148	71%
4030	3	18 Solid 6.5 Ω/M'	.015	..38	.030	.76	.220	5.59	25	82	45	148	71%
4031	4	18 Solid 6.5 Ω/M'	.015	.38	.030	.76	.240	6.10	25	82	45	148	71%
4081	1 Pair	16 Solid 4.1 Ω/M'	.015	.38	.030	.76	.226	5.74	30	98	54	177	71%
4032	3	16 Solid 4.1 Ω/M'	.015	.38	.030	.76	.250	6.35	30	98	54	177	71%
4033	4	16 Solid 4.1 Ω/M'	.015	.38	.030	.76	.270	6.86	30	98	54	177	71%
4082	1 Pair	14 Solid 2.6 Ω/M'	.020	.51	.030	.76	.262	6.65	30	98	54	177	66%
4083	1 Pair	12 Solid 1.8 Ω/M'	.020	.51	.030	.76	.292	7.42	35	115	63	207	66%

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see chart I on page 64

Fire Alarm Signaling Cable PLENUM

Description
- ASTM bare copper
- Polymer alloy insulation
- Polyester binders as required
- Twisted pair or cabled construction
- Flexible plenum jacket
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type FPLP
- Meets 300 volt requirement as specified in Article 760 of the NEC

Indoor Applications
Within ducts, plenums, and other spaces used for environmental air for:
- Control circuits
- Notification circuits
- Initiating circuits
- Audio circuits

Notes
- *Capacitance of unshielded cable may vary depending on the installation environment*

Power Limited
Unshielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance	
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*
4057	1 Pair	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.142	3.61	29	95
4009	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.175	4.45	29	95
4058†	1 Pair	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.161	4.09	32	105
4010	4	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.220	5.59	32	105
4059†	1 Pair	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.191	4.86	35	115
4011	4	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.252	6.40	35	115
4060	1 Pair	12 Solid 1.8 Ω/M'	.012	.30	.015	.38	.225	5.72	45	148

For color codes see chart I on page 64

Power Limited
Overall Shielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
4084†	1 Pair	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.148	3.76	54	177	97	318
4034	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.178	4.52	54	177	97	318
4085	1 Pair	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.166	4.22	61	200	110	361
4035	4	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.210	5.33	61	200	110	361
4086	1 Pair	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.198	5.03	84	276	151	495
4087	1 Pair	12 Solid 1.8 Ω/M'	.012	.30	.015	.38	.224	5.69	96	315	173	567

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability

For color codes see chart I on page 64

Fire Alarm Signaling Cable PLENUM

Description
- Twisted pair or cabled construction
- ASTM bare copper
- Polyester binders or inner jacket as required
- Fluoropolymer insulation
- Flexible plenum jacket
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type FPLP
- Meets 300 volt requirement as specified in Article 760 of the NEC

Indoor Applications
Within ducts, plenums, and other spaces used for environmental air for:
- Control circuits
- Notification circuits
- Initiating circuits
- Audio circuits

Power Limited
Unshielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
4061	1 Pair	18 Solid 6.5 Ω/M'	.007	.18	.015	.38	.138	3.51
4012	4	18 Solid 6.5 Ω/M'	.007	.18	.015	.38	.174	4.42
4062	1 Pair	16 Solid 4.1 Ω/M'	.007	.18	.015	.38	.156	3.96
4063	1 Pair	14 Solid 2.6 Ω/M'	.010	.25	.015	.38	.200	5.08
4064	1 Pair	12 Solid 1.8 Ω/M'	.010	.25	.015	.38	.228	5.79
4013	4	22 Solid 17.5 Ω/M'	.007	.18	.015	.38	.138	3.51
4014	6	22 Solid 17.5 Ω/M'	.007	.18	.015	.38	.161	4.09
4015	8	22 Solid 17.5 Ω/M'	.007	.18	.015	.38	.173	4.39

For color codes see chart I on page 64

Power Limited
Overall Shielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
4088	1 Pair	18 Solid 6.5 Ω/M'	.007	.18	.015	.38	.143	3.63
4036	4	18 Solid 6.5 Ω/M'	.007	.18	.015	.38	.178	4.52
4089	1 Pair	16 Solid 4.1 Ω/M'	.007	.18	.015	.38	.160	4.06
4090	1 Pair	14 Solid 2.6 Ω/M'	.010	.25	.015	.38	.205	5.21
4091	1 Pair	12 Solid 1.8 Ω/M'	.010	.25	.015	.38	.244	6.20

For color codes see chart I on page 64

Power Limited
Overall Shielded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
4092◊	1 Pair	18 Solid 6.5 Ω/M'	.012	.30	.010	.25	.185	4.70	25	82	45	148
4037◊	4	16 Solid 4.1 Ω/M'	.015	.38	.010	.25	.220	5.59	30	98	54	177

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
◊New Data Grade version for addressable systems contain inner binder jacket and employ fluoropolymer outer jacket
Standard spool size 1000 feet

For color codes see chart I on page 64

Fire Alarm Signaling Cable PLENUM

Description
- ASTM bare copper
- PVC insulation
- Two conductor has a flexible red plenum jacket
- Fluoropolymer insulation
- Two conductor parallel features extruded stripe

Ratings
- (UL) or (ETL)us Listed
- NEC Type FPL and FPLP
- Meets 300 volt requirement as specified in Article 760 of the NEC

Indoor Applications
- Power – Limited Fire Protective Circuits

Power Limited
One Conductor

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Colors
4200†	1	16 Solid 4.1 Ω/M'	.020	.51	.091	2.31	Black, Green, Brown, White, Red, Orange. Yellow
4201†	1	14 Solid 2.6 Ω/M'	.020	.51	.104	2.64	

Power Limited
Two Conductor

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Colors
4251†	2	18 Solid 6.5 Ω/M'	.032	.81	.104 x .204	2.64 x 5.18	Red, White, Orange, Brown, Blue, Black
4252†	2	16 Solid 4.1 Ω/M'	.032	.81	.115 x .225	2.92 x 5.72	White, Red, Black
4253†	2	14 Solid 2.6 Ω/M'	.032	.81	.128 x .250	3.25 x 6.35	White, Red, Black
4254†	2	12 Solid 1.8 Ω/M'	.032	.81	.146 x .300	3.71 x 7.62	White, Red, Black

Power Limited
One Conductor

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Colors
4202	1	16 Solid 4.1 Ω/M'	.015	.38	.081	2.06	Red, Black
4203	1	14 Solid 2.6 Ω/M'	.015	.38	.094	2.39	Red, Black

Power Limited
Two Conductor

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Colors
4255*	2	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.095 x .155	2.41 x 3.94	Red, White
4256*	2	16 Solid 4.1 Ω/M'	.010	.25	.015	.38	.102 x .175	2.59 x 4.45	Red, White
4257*	2	14 Solid 2.6 Ω/M'	.012	.30	.015	.38	.120 x .208	3.05 x 5.28	Red
4258*	2	12 Solid 1.8 Ω/M'	.012	.30	.015	.38	.136 x .245	3.45 x 6.22	Red

Standard spool size 1000 feet †Available in a variety of jacket colors - Please contact factory for availability

**Conductor Colors: 1. Black, 2. Red*

Fire Alarm Signaling Cable PLENUM

Description
- Twisted pair or cabled construction
- ASTM bare copper
- Polyester binders required
- Fluoropolymer insulation
- Overall fluoropolymer jacket
- Shield 100% coverage of polyester foil with TC drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type NPLFP
- Intended for NPLF systems operating at 150 volts or less as defined in NEC Article 760

Applications
Indoor environmental air, Article 760 of the NEC::
- Control circuits
- Notification circuits
- Initiating circuits

Nonpower Limited
Overall Shielded and Unsheilded with Red Jacket

Part No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
4093†	1 Pair	18 Solid 6.5 Ω/M'	.020	.51	.010	.25	.185	4.70
4094	1 Pair	18 Solid 6.5 Ω/M'	.020	.51	.010	.25	.195	4.95
4038	3	18 Solid 6.5 Ω/M'	.020	.51	.010	.25	.205	5.21
4039	4	18 Solid 6.5 Ω/M'	.020	.51	.010	.25	.215	5.46
4095	1 Pair	16 Solid 4.1 Ω/M'	.020	.51	.010	.25	.214	5.44
4040	3	16 Solid 4.1 Ω/M'	.020	.51	.010	.25	.225	5.72
4041	4	16 Solid 4.1 Ω/M'	.020	.51	.010	.25	.250	6.35
4096†	1 Pair	14 Solid 2.6 Ω/M'	.020	.51	.010	.25	.210	5.33
4097	1 Pair	14 Solid 2.6 Ω/M'	.020	.51	.010	.25	.220	5.59
4042	4	14 (19x27) 2.7 Ω/M'	.020	.51	.010	.25	.344	8.74

Standard spool size 1000 feet †Unshielded cable design Orange ripcord under jacket

For color codes see chart I page 64

Coaxial Cable

CATV/MATV RG-59/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5000	CATV CL2	20 (Solid) Bare Copper	.142	3.61	Dual Foil* 100% plus Aluminum Braid 65%	.232	5.89	16.2	53.1	82%	75
			Gas Injected PE‡			PVC jacket Color: Black					
 5001	CATV CL2	20 (Solid) Copper Covered Steel	.142	3.61	Bonded Dual Foil* 100% plus Aluminum Braid 67%	.242	6.15	16.2	53.1	82%	75
			Gas Injected PE‡			PVC jacket Colors: Black, White					
 5002 Flooded Burial	Outdoor	20 (Solid) Copper Covered Steel	.142	3.61	Bonded Dual Foil* 100% plus Aluminum Braid 67% Flooding	.242	6.15	16.2	53.1	82%	75
			Gas Injected PE‡			Sunlight resistant polyethylene jacket Color: Black					

CATV/MATV Plenum RG-59/U Type with Flexible Ivory Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D. C. R	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5003 CATV/MATV	CATVP CL2P	20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.51	Dual Foil* 100% plus Aluminum Braid 80%	.210	5.33	16.2	53.1	82%	75
			Foam FEP								

Nom. Attenuation

mhz	db/ 100 ft	db/ 100 m	mhz	db/ 100 ft	db/ 100 m
5	.55	1.8	1000	9.2	30.2
55	1.9	6.2	1450	11.7	38.4
100	2.5	8.2	2000	14.2	46.6
400	5.3	17.4	2250	15.06	49.40
700	7.4	24.3	3000	17.39	57.04

Part No.	NEC Type	AWG Size & Stranding Nom. D. C. R	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5004 CATV/MATV Tri-Shield	CATVP CL2P	20 (Solid) Copper Covered Steel 44.5 Ω/M'	.138	3.51	Tri-Shield Bonded Dual Foil* 100% AL Braid 67% +(AL Foil)	.210	5.33	16.2	53.1	82%	75
			Foam FEP								

Nom. Attenuation

mhz	db/ 100 ft	db/ 100 m	mhz	db/ 100 ft	db/ 100 m
5	.55	1.8	1000	9.2	30.2
55	1.9	6.2	1450	11.7	38.4
100	2.5	8.2	2000	14.2	46.6
400	5.3	17.4	2250	15.06	49.40
700	7.4	24.3	3000	17.39	57.04

Part No.	NEC Type	AWG Size & Stranding Nom. D. C. R	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5005 CATV/MATV Quad Shield	CATVP CL2P	20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.51	Quad Shield Dual Foil* AL Braid 65% Dual Foil* AL Braid 55%	.240	6.10	16.2	53.1	82%	75
			Foam FEP								

Nom. Attenuation

mhz	db/ 100 ft	db/ 100 m	mhz	db/ 100 ft	db/ 100 m
5	.55	1.8	1000	9.2	30.2
55	1.9	6.2	1450	11.7	38.4
100	2.5	8.2	2000	14.2	46.6
400	5.3	17.4	2250	15.06	49.40
700	7.4	24.3	3000	17.39	57.04

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested, 0.3MHz to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CATV/MATV RG-6/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5200	CATVX	18 (Solid) Bare Copper	.180	4.57 Foam Polyethylene	Dual Foil* 100% Aluminum Braid 45%	.285	7.24 PVC jacket Color: Black	16.2	53.1	82%	75
 5201 Digital Satellite	CATV CL2	18 (Solid) Bare Copper	.180	4.57 Foam Polyethylene	Dual Foil* 100% Aluminum Braid 65%	.254	6.45 PVC jacket Color: Black	16.2	53.1	82%	75
 5202 Schlage Systems	CL2	18 (Solid) Bare Copper	.180	4.57 Foam Polyethylene	Bonded Dual Foil* 100% Aluminum Braid 65%	.270	6.86 PVC jacket Color: Black	16.2	53.1	82%	75
 5203	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Aluminum Braid	.254	6.45 PVC jacket Colors: Black, White	16.2	53.1	82%	75

CATV/MATV RG-6/U Type

 5204 Moisture blocking barrier Digital Satellite	CM CL2	18 (Solid) Bare Copper	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Aluminum Braid 65%	.275	6.99 Sunlight resistant PVC jacket Color: Black	16.2	53.1	82%	75
 5205 Flooded Burial	Outdoor	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Bonded Dual Foil* 100% AL Braid 61% Flooding	.275	6.99 Sunlight resistant polyethylene jacket Color: Black	16.2	53.1	82%	75
 5206 Dual	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Bonded Dual Foil* 100% Aluminum Braid 61%	.275 x .595	6.99 x 15.11 PVC jacket Color: Black	16.2	53.1	82%	75
 5207	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Bonded Dual Foil* 100% Aluminum Braid 90%	.275	6.99 PVC jacket Color: Black	16.2	53.1	82%	75

CATV/MATV RG-6/U Type

 5208 Flooded Burial	Outdoor	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Bonded Dual Foil* 100% AL Braid 90% Flooding	.275	6.99 Sunlight resistant polyethylene jacket Color: Black	16.2	53.1	82%	75
 5209 Dual, Quad Shield	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Quad Shield Bonded Dual Foil* AL Braid 60% Dual Foil* AL Braid 40%	.305 x .620	7.74 x 15.74 PVC jacket Color: Black	16.2	53.1	82%	75
 5210 Dual, with ground	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Dual Foil* 100% AL Braid 60%	.275 x .595	6.99 x 15.11 PVC jacket Color: Black	16.2	53.1	82%	75

AquaBlock coaxial cables listed on page 22

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10%
‡Gas Injected foam polyethylene 100% Sweep Tested, 0.3MHz to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CATV/MATV RG-6/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5211 Quad Shield	CATV	18 (Solid) Bare Copper	.180	4.57 Gas Injected PE‡	Quad Shield Dual Foil* AL Braid Dual Foil* AL Braid	.285	7.24	16.2	53.1	82%	75
						PVC jacket Colors: Black, White					
 5212 Quad Shield	CATVR	18 (Solid) Bare Copper	.180	4.57 Gas Injected PE‡	Quad Shield Dual Foil* AL Braid Dual Foil* AL Braid	.285	7.24	16.2	53.1	82%	75
						PVC jacket Color: Black					
 5213 Quad Shield Digital Satellite	CATV CL2	18 (Solid) Bare Copper	.180	4.57 Gas Injected PE‡	Quad Shield Dual Foil* AL Braid 65% Dual Foil* AL Braid 55%	.283	7.19	16.2	53.1	82%	75
						PVC jacket Color: Black					
 5214 Quad Shield	CATV	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Quad Shield Bonded Dual Foil* AL Braid 60% Dual Foil* AL Braid 40%	.295	7.49	16.2	53.1	82%	75
						PVC jacket Colors: Black, White					
 5215 Quad Shield Outdoor Direct Burial	Outdoor	18 (Solid) Copper Covered Steel	.180	4.57 Gas Injected PE‡	Quad Shield Bonded Dual Foil* AL Braid 60% Dual Foil* AL Braid 40%	.295	7.49	16.2	53.1	82%	75
						Sunlight Resistant PE jacket Color: Black					

CATV/MATV Plenum RG-6/U Type with Flexible Ivory Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5216 CATV/MATV Digital Satellite	CATVP CL2P	18 (Solid) Bare Copper 6.5 Ω/M'	.170	4.32 Foam FEP	Dual Foil* 100% plus Aluminum Braid 90%	.244	6.20	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.45	1.5	1000	8.0	26.2
55	1.6	5.2	1450	10.3	33.8
100	2.0	6.6	2000	12.6	41.3
400	4.5	14.8	2250	13.36	43.82
700	6.0	19.7	3000	15.42	50.58

 P5217 CATV/MATV Quad Shield Digital Satellite	CATVP CL2P	18 (Solid) Bare Copper 6.5 Ω/M'	.170	4.32 Foam FEP	Quad Shield Dual Foil* AL Braid 65% Dual Foil* AL Braid 55%	.273	6.93	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.45	1.5	1000	8.0	26.2
55	1.6	5.2	1450	10.3	33.8
100	2.0	6.6	2000	12.6	41.3
400	4.5	14.8	2250	13.36	43.82
700	6.0	19.7	3000	15.42	50.58

 P5218 Schlage Systems CATV/MATV Quad Shield	CL2P	18 (Solid) Bare Copper 6.5 Ω/M'	.175	4.45 Foam FEP	Quad Shield Bonded Dual Foil* AL Braid 60% Dual Foil* AL Braid 40%	.280	7.11	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.45	1.5	1000	8.0	26.2
55	1.6	5.2	1450	10.3	33.8
100	2.0	6.6	2000	12.6	41.3
400	4.5	14.8	2250	13.36	43.82
700	6.0	19.7	3000	15.42	50.58

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene
100% Sweep Tested, 0.3MHz to 3GHz *Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CATV RG-7/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5300	CATV	16 (Solid) Copper Covered Steel	.236	5.99	Bonded Dual Foil* 100% plus Aluminum Braid 61%	.340	8.64	16.2	53.1	82%	75
			Gas Injected PE‡			PVC jacket Color: Black					
 5301 Flooded Burial	Outdoor	16 (Solid) Copper Covered Steel	.236	5.99	Bonded Dual Foil* 100% plus Aluminum Braid 61% Flooding	.340	8.64	16.2	53.1	82%	75
			Gas Injected PE‡			Sunlight resistant polyethylene jacket Color: Black					

CCTV RG-7/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5202 CCTV	CM	16 (Solid) Bare Copper 4.1 Ω/M'	.236	5.99	Bare Copper Braid 95%	.340	8.64	16.2	53.1	82%	75
			Gas Injected PE‡ with Tape Barrier			PVC jacket Color: Black					
 5303 Flooded Burial	Outdoor	16 (Solid) Bare Copper 4.1 Ω/M'	.236	5.99	Bare Copper Braid 95%	.340	8.64	16.2	53.1	82%	75
			Gas Injected PE‡ with Tape Barrier			Sunlight resistant polyethylene jacket Color: Black					

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene
100% Sweep Tested, 0.3MHz to 3GHz *Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CATV/MATV RG-11/U Type

Part No.	NEC Type	AWG Size & Stranding	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5400	CATV CL2	14 (Solid) Copper Covered Steel	.280	7.11 Gas Injected PE‡	Bonded Dual Foil* plus Aluminum Braid 61%	.405	10.29	16.2	53.1 PVC jacket Color: Black	82%	75
 5401 Digital Satellite	CATV CL2	14 (Solid) Bare Copper	.280	7.11 Gas Injected PE‡	Dual Foil* 100% plus Aluminum Braid 65%	.380	9.65	16.2	53.1 PVC jacket Color: Black	82%	75
 5402 Flooded Burial	Outdoor	14 (Solid) Copper Covered Steel	.280	7.11 Gas Injected PE‡	Bonded Dual Foil* plus Aluminum Braid 61% Flooding	.405	10.29	16.2	53.1 Sunlight resistant polyethylene jacket Color: Black	82%	75
 5403 Quad Shield Digital Satellite	CATV CL2	14 (Solid) Bare Copper	.280	7.11 Gas Injected PE‡	Quad Shield Dual Foil* AL Braid 65% Dual Foil* AL Braid 55%	.415	10.54	16.2	53.1 PVC jacket Color: Black	82%	75
 5404 Flooded Burial Tri-Shield	Outdoor	14 (Solid) Copper Covered Steel	.280	7.11 Gas Injected PE‡	Tri-Shield Bonded Dual Foil* 100% AL Braid 77% +(AL Foil) Flooding	.405	10.29	16.2	53.1 Sunlight resistant polyethylene jacket Color: Black	82%	75

CATV/MATV Plenum RG-11/U Type with Natural Copolymer Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5405 CATV/MATV RG-11/U Type Digital Satellite	CATVP CL2P	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11 Foam FEP	Dual Foil* 100% plus Aluminum Braid 65%	.352	8.94	16	52	82%	75

Nom. Attenuation mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.25	.82	1000	5.5	18.0
55	1.0	3.3	1450	6.0	19.7
100	1.5	4.9	2000	7.5	24.6
400	3.3	10.8	2250	7.96	26.11
700	4.5	14.8	3000	9.19	30.14

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5406 CATV/MATV RG-11/U Type Digital Satellite	CATVP CL2P	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11 Foam FEP	Dual Foil* 100% AL Braid 60% Dual Foil* 100% AL Braid 40%	.385	9.78	16	52	82%	75

Nom. Attenuation mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
5	.25	.82	1000	5.5	18.0
55	1.0	3.3	1450	6.0	19.7
100	1.5	4.9	2000	7.5	24.6
400	3.3	10.8	2250	7.96	26.11
700	4.5	14.8	3000	9.19	30.14

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene
100% Sweep Tested, 0.3HMHz to 3GHz *Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CCTV RG-59/U Type with PVC Black Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5006	CM	22 (Solid) Copper Covered Steel 41 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.7	2.3	400	7.0	23.0
5	1.0	3.3	700	10.0	32.8
10	1.2	3.9	900	11.6	38.0
50	1.9	6.2	1000	13.24	14.43
100	2.4	7.9			

Gas Injected PE‡ with Tape Barrier

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5007	CM	20 (Solid) Bare Copper 10.1 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Gas Injected PE‡ with Tape Barrier

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5008	CM	22 (7x30) Bare Copper 15 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.6	200	4.0	13.1
10	.9	3.0	500	7.5	24.6
50	1.9	6.2	700	8.9	29.2
100	2.4	7.9	1000	10.9	35.8

Gas Injected PE‡ with Tape Barrier

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5009	CMR	20 (Solid) .032 Bare Copper 10.1 Ω/M'	.142	3.61	Dual Foil* 100% Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Gas Injected PE‡ with Tape Barrier

AquaBlock coaxial cables listed on page 22

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10%
‡Gas Injected foam polyethylene 100% Sweep Tested
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CCTV RG-59/U Type

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5010 AquaBlock Sunlight resistant PVC jacket Color: Black	CM CL2	20 (Solid) .032 Bare Copper 10.1 Ω/M'	.142	3.61	Bare Copper Braid 95%	.242	6.15	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5011 Flooded Burial Sunlight resistant polyethylene jacket Color: Black	Outdoor	20 (Solid) Bare Copper 10.1 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5012 Direct Burial	Outdoor	20 (Solid) Bare Copper 10.1 Ω/M'	.142	3.61	Bare Copper Braid 95%	.242 .292	6.15 7.42	16.2 Inner Jacket Outer Jacket	53.1 PVC Black Polyethylene Black	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5013 Ultra Flex TPE jacket Color: Blue		22 (65 x 40) Bare Copper 17 Ω/M'	.142	3.61	Bare Copper Braid 95%	.242	6.15	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.6	500	7.9	25.9
10	.9	3.0	700	10.0	32.8
50	1.9	6.2	900	11.6	38.0
100	2.4	7.9	1000	13.24	43.43
200	4.0	13.1			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5014 PVC jacket Color: Black		22 (Solid) Copper Covered Steel 41 Ω/M'	.142	3.61	Bare Copper Braid 95%	.242	6.15	22	72	66%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
50	2.9	9.5	700	9.8	32.1
100	3.3	10.8	900	11.1	36.4
200	4.9	16.1	1000	12.67	41.56

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Coaxial Cable

CCTV RG-59/U Siamese Type with Black Jacket

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5015 Siamese Construction RG-59/U plus 1 pair *This cable contains 1 coax unit plus 1 pair 18 AWG (7x26) unshielded*	CM	20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.51	Bare Copper Braid 95%	.207 x .465	5.26 x 11.81	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5016 Siamese Construction RG-59/U plus 1 pair *This cable contains 1 coax unit plus 1 pair 18 AWG (7x26) unshielded*	CM	22 (7x30) Bare Copper 15 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232 x .460	5.89 x 11.68	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.6	200	4.0	13.1
10	.9	3.0	500	7.5	24.6
50	1.9	6.2	700	8.9	29.2
100	2.4	7.9	1000	10.9	35.8

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5017 Siamese Construction with seperate web RG-59/U plus 2 Cond. *This cable contains 1 coax unit plus 1 cond. Tin 18AWG (7x26) unshielded 1 cond. Bare 18AWG (7x26) unshielded*	CM	20 (Solid) Bare Copper 10.1 Ω/M'	.142	3.61	Bare Copper Braid 95%	.232 x .420	5.89 x 10.67	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.29	.95	400	4.71	15.45
10	.68	2.23	700	6.40	20.99
50	1.80	5.90	900	7.33	24.04
150	3.0	9.8	1000	7.80	25.58
200	3.54	11.60			

CCTV Plenum RG-59/U Siamese Type with Gray Jacket

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5018 RG-59/U plus 1 pair 18 AWG CCTV	CMP	20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.51	Bare Copper Braid 95%	.207 x .465	5.26 x 11.81	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.30	.99	400	5.30	17.38
10	.68	2.23	700	7.24	23.76
50	1.80	5.90	900	8.29	27.19
100	2.52	8.27	1000	8.76	28.73
200	3.91	12.84			

		18 (7x26) Bare Copper 6.6 Ω/M'	.007	.33	Twisted Pair Unshielded						
			Foam FEP with Tape Barrier								
			Flouropolymer								

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Coaxial Cable

CCTV Plenum RG-59/U Type with Flexible Ivory Jacket

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5019 CCTV	CMP	22 (Solid) Copper Covered Steel 41 Ω/M'	.135	3.43 Foam FEP with Tape Barrier	Bare Copper Braid 95%	.199	5.05	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.45	1.5	400	7.3	23.9
10	.95	3.1	700	8.9	29.2
50	2.1	6.9	900	10.3	33.8
100	3.0	9.8	1000	11.0	36.08
200	4.4	14.6			

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5020 CCTV	CMP	20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.57 Foam FEP with Tape Barrier	Bare Copper Braid 95%	.207	5.26	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.30	.99	400	5.30	17.38
10	.68	2.23	700	7.24	23.76
50	1.80	5.90	900	8.29	27.19
100	2.52	8.27	1000	8.76	28.73
200	3.91	12.84			

Miniature 75 Ω CCTV Video Coax

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5021 Miniature Coax Pro Video PVC jacket Colors: Black, Red, Green, Blue, White, Yellow	CM CL2	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Bare Copper Braid 95%	.146	3.71	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	8.59	28.18
10	1.80	5.90	700	11.14	36.53
50	3.12	10.23	900	13.22	43.36
100	4.19	13.75	1000	14.41	47.26
200	5.79	19.00			

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5022 Miniature Coax Pro Video Flexible plenum jacket Colors: Black, Red, Green, Blue, White, Yellow	CMP CL2P	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98 Foam FEP	Bare Copper Braid 95%	.146	3.71	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	9.66	31.70
10	1.80	5.90	700	12.61	41.36
50	3.12	10.23	900	14.95	49.04
100	4.40	14.43	1000	16.18	53.07
200	6.41	21.03			

Part No.	NEC Type	AWG Size & Stranding / Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5023 Siamese Construction Coax plus 1 Pair Shielded PVC jacket Colors: Black, White *This cable contains 1 coax unit plus 1 pair 22 AWG unshielded*	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Bare Copper Braid 95%	.146 x .302	3.71 x 7.67	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	8.59	28.18
10	1.80	5.90	700	11.14	36.53
50	3.12	10.23	900	13.22	43.36
100	4.19	13.75	1000	14.41	47.26
200	5.79	19.00			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Coaxial Cable

CCTV RG-6/U Type

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5219 PVC jacket Color: Black	CM	18 (Solid) Bare Copper 6.5 Ω/M'	.180	4.57 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%	.270	6.86	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

 5220 Direct Burial	Outdoor	18 (Solid) Bare Copper 6.5 Ω/M'	.180	4.57 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%			16.2	53.1	82%	75
						.280	7.11	Inner Jacket		PVC Black	
						.330	8.38	Outer Jacket		Polyethylene Black	

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

 5221 Flooded Burial Sunlight resistant polyethylene jacket Color: Black	Outdoor	18 (Solid) Bare Copper 6.5 Ω/M'	.180	4.57 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%	.270	6.86	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

 5222 Siamese Construction RG6/U + 1 pair 16 AWG PVC jacket Color: Black *Contains 1 Coaxial Unit plus 1 pair 16 AWG Stranded Un-shielded*	CM	18 (Solid) .040 Bare Copper 6.5 Ω/M'	.180	4.57 Gas Injected PE‡ with Tape Barrier	Bare Copper Braid 95%	.280 x .580	7.11 x 14.73	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

 5223 Analog Video PVC jacket Color: Black	CM	18 (Solid) Bare Copper 6.5 Ω/M'	.180	4.57 Gas Injected PE‡	Dual Foil* 100% plus Tinned Copper Braid 61%	.270	6.86	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	3.95	12.97
10	.52	1.71	700	5.38	17.65
50	1.18	3.85	900	6.13	20.10
100	1.83	6.02	1000	6.45	21.15
200	2.73	8.95			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene
100% Sweep Tested *Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

CCTV Plenum RG-6/U Type with Flexible Ivory Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5224 CCTV	CMP	18 (Solid) Bare Copper 6.5 Ω/M'	.170	4.32 Foam FEP with Tape Barrier	Bare Copper Braid 95%	.236	5.99	16.2	53.1	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.24	.78	400	4.45	14.59
10	.52	1.71	700	6.09	19.98
50	1.18	3.85	900	6.93	22.73
100	1.93	6.32	1000	7.24	23.75
200	3.02	9.91			

CCTV Plenum RG-11/U Type with Natural Copolymer Jacket

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5407 CCTV RG-11/U Type	CL2P	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11 Foam FEP	Bare Copper Braid 95%	.352	8.94	16	52	82%	75

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.16	.51	400	3.32	10.88
10	.35	1.16	700	4.53	14.86
50	.87	2.87	900	5.14	16.84
100	1.44	4.74	1000	5.35	17.55
200	2.19	7.19			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Coaxial Cable

CCTV RG-11/U Type

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5408 PVC jacket Color: Black	CL2	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	16.2	53.1	82%	75

Gas Injected PE‡ with Tape Barrier

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.16	.51	400	2.95	9.67
10	.35	1.16	700	4.00	13.13
50	.87	2.87	900	4.54	14.89
100	1.38	4.51	1000	4.77	15.63
200	1.98	6.50			

 5409 Direct Burial	Outdoor	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11	Bare Copper Braid 95%			16.2	53.1	82%	75

Gas Injected PE‡ with Tape Barrier

.405	10.29	Inner Jacket	PVC Black
.455	11.56	Outer Jacket	Polyethylene Black

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.16	.51	400	2.95	9.67
10	.35	1.16	700	4.00	13.13
50	.87	2.87	900	4.54	14.89
100	1.38	4.51	1000	4.77	15.63
200	1.98	6.50			

 5410 Flooded Burial Polyethylene jacket Color: Black	Outdoor	14 (Solid) Bare Copper 2.6 Ω/M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	16.2	53.1	82%	75

Gas Injected PE‡ with Tape Barrier‡

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.16	.51	400	2.95	9.67
10	.35	1.16	700	4.00	13.13
50	.87	2.87	900	4.54	14.89
100	1.38	4.51	1000	4.77	15.63
200	1.98	6.50			

 5411 PVC jacket Color: Black		14 (7x.0242) Tinned Copper 2.6 Ω/M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	22	72	66%	75

Solid Polyethylene

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
100	2.0	6.6	700	5.4	17.7
200	2.8	9.2	900	6.5	21.3
400	4.2	13.8	1000	7.1	23.3
500	4.8	15.7			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Coaxial Cable

Miscellaneous Cable RF Transmission/Broadcast

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5500 RG-58A/U Type PVC jacket Color: Black		20 (19x32) Tinned Copper 8.8 Ω/M'	.116	2.95 Foam Polyethylene	Tinned Copper Braid 95%	.195	4.95	25	82	78%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
50	3.5	11.5	400	10.1	33.1
100	4.8	15.7	500	11.3	37.1
200	6.9	22.6	900	15.5	50.8

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5501 RG-58/U Type PVC jacket Color: Black		20 (Solid) Tinned Copper 10.1 Ω/M'	.116	2.95 Foam Polyethylene	Tinned Copper Braid 95%	.195	4.95	26	85	78%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
50	3.2	10.5	400	9.5	31.2
100	4.1	13.4	500	10.4	34.1
200	6.2	20.3	900	14.5	47.6

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5502 RG-58/U Type Flexible Plenum jacket Color: Ivory	CMP	20 (19x32) Tinned Copper 8.8 Ω/M'	.102	2.59 Foam FEP	Tinned Copper Braid 95%	.158	4.01	25	82	82%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
10	1.4	4.6	300	5.7	18.7
50	2.2	7.2	500	7.6	24.9
100	3.1	10.2	700	9.2	30.2
200	2.6	8.5	900	10.6	34.8

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5600 RG-8/U Type PVC jacket Color: Black		13 (7x21) Bare Copper 1.9 Ω/M'	.280	7.11 Gas Injected PE	Bare Copper Braid 95%	.405	10.29	26	85	82%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
50	1.3	4.3	300	3.4	11.2
100	1.8	5.9	400	3.9	12.8
200	4.5	14.8			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5601 RG-8/U Type Copolymer Color: Natural	CL2P	13 (7x21) Bare Copper 1.9 Ω/M'	.280	7.11 Foam FEP	Bare Copper Braid 95%	.352	8.94	25	82	82%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
50	.94	.7	500	3.8	9.5
100	1.4	2.0	700	4.8	15.7
200	2.1	3.6	900	5.7	34.4
300	2.8	4.9			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5602 RG-8/U Type Flexible Design Polyurethane jacket Color: Black		10 (19x23) Bare Copper 1.15 Ω/M'	.285	7.24 Gas Injected PE	Bonded Dual Foil* 100% + Tinned Copper Braid 90%	.405	10.29	24.5	80.4	84%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.2	.7	400	2.9	9.5
10	.6	2.0	1000	4.8	15.7
50	1.1	3.6	4000	10.5	34.4
100	1.5	4.9			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5603 RG-8/X Type Flexible Design PVC jacket Color: Black	CM	16 (19x29) Bare Copper 4.3 Ω/M'	.155	3.94 Gas Injected PE	Bare Copper Braid 95%	.242	6.15	25	82	82%	50

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.3	1.0	200	4.5	14.8
10	.9	2.9	700	9.1	29.8
50	2.1	6.9	900	10.7	35.1
100	3.1	10.2	1000	11.2	36.7

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% 100% Sweep Tested
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Coaxial Cable

Electrical Parameters Attenuation & Shield Effectiveness

Coaxial Attenuation Chart

Frequency	59/U Type 20 AWG Conductor Gas Injected Foam Polyethylene Core		6/U Type 18 AWG Conductor Gas Injected Foam Polyethylene Core		7/U Type 16 AWG Conductor Gas Injected Foam Polyethylene Core		11/U Type 14 AWG Conductor Gas Injected Foam Polyethylene Core	
	(db/100 ft.)	db/100m	(db/100 ft.)	db/100m	(db/100 ft.)	db/100m	(db/100 ft.)	db/100m
5MHz	.85	2.79	.57	1.87	.47	1.54	.38	1.25
55MHz	1.95	6.40	1.45	4.76	1.27	4.17	.92	3.02
100MHz	2.45	8.04	1.85	6.07	1.57	5.15	1.20	3.94
211MHz	3.68	12.07	2.71	8.89	2.21	7.25	1.75	5.74
270MHz	4.10	13.45	3.07	10.06	2.40	7.87	1.92	6.30
300MHz	4.35	14.27	3.30	10.82	2.60	8.53	2.10	6.89
330MHz	4.62	15.15	3.48	11.41	2.80	9.18	2.25	7.38
400MHz	4.95	16.24	3.85	12.63	2.98	9.77	2.40	7.87
450MHz	5.30	17.38	4.15	13.61	3.20	10.50	2.60	8.53
550MHz	5.75	18.86	4.62	15.15	3.50	11.48	2.85	9.35
750MHz	6.80	22.30	5.40	17.71	4.30	14.10	3.40	11.15
870MHz	7.40	24.27	5.93	19.45	4.60	15.09	3.65	11.97
1000MHz	7.95	26.08	6.30	20.66	5.05	16.56	4.05	13.28
1200MHz	9.20	30.18	7.10	23.29	5.45	17.88	4.72	15.48
1450MHz	10.20	33.46	8.05	26.40	6.35	20.83	5.05	16.56
1800MHz	11.25	36.90	8.85	29.03	6.95	22.80	5.90	19.35
2000MHz	11.85	38.87	9.15	30.01	7.42	24.34	6.05	19.84
2250MHz	12.60	41.33	9.99	32.77	8.00	26.24	6.42	21.06
3000MHz	15.05	49.36	11.93	39.13	9.56	31.36	7.76	25.16

Refer to this chart for typical attenuation values on CATV/MATV products within this catalog

The following shield effectiveness values were derived from transfer impedance measurements on various shield combinations.

Shield Effectiveness Chart

	Single Braid 95%	Bonded Dual Foil* 100% plus Braid 61%	Bonded Dual Foil* 100% plus Braid 67%	Bonded Dual Foil* 100% plus Braid 95%	Tri Shield Bonded Dual Foil* 100% plus Braid 67% + (AL Foil)	Tri Shield Bonded Dual Foil* 100% plus Braid 77% + (AL Foil)	Tri Shield Bonded Dual Foil* 100% plus Braid 95% + (AL Foil)	Quad Shield Bonded Dual Foil* Braid 65% Dual Foil* Braid 45%
Nominal Shield Effectiveness	55db	90db	95db	100db	105db	110db	115db	110db

* Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Pro Video Coax Serial Digital

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5700 Miniature Coax SDI ** Digital Video Cable PVC Jacket Colors: Black, Red, Green, Blue, White, Yellow Connector: 75 Ω 3 Piece BNC, CN-BM 74-18	CMR	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.146	3.71	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.48	1.57	360	7.72	25.32
3.6	.98	3.21	540	9.3	30.50
10	1.73	5.67	720	10.88	35.69
71.5	3.51	11.51	1000	13.34	43.76
135	4.69	15.38	2250	18.92	62.06
270	6.51	21.35	3000	22.16	72.68

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5701 Miniature Coax SDI ** Digital Video Cable Flexible Plenum Jacket Colors: Black, Red, Green, Blue, White, Yellow Connector: 75 Ω 3 Piece BNC, CN-BM 74-18	CMP	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.146	3.71	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.48	1.59	360	7.79	25.55
3.6	.99	3.24	540	9.38	30.78
10	1.75	5.73	720	10.98	36.01
71.5	3.54	11.62	1000	13.46	44.15
135	4.73	15.52	2250	19.28	63.24
270	6.57	21.54	3000	22.80	74.29

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5702 HDTV, DTV SDI** Digital Video RG-59/U Type PVC Jacket Colors: Black, Red, Green, Blue, White, Yellow Connector: 75 Ω 3 Piece BNC, CN-BM 73-2	CMR	20 (Solid) Bare Copper 10 Ω/M'	.142	3.61 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.232	5.89	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.28	.92	720	6.23	20.43
10	.66	2.16	1000	7.49	24.57
71.5	1.93	6.33	1500	9.16	30.0
185	3.0	9.8	2250	11.19	36.7
270	3.79	12.4	3000	13.23	43.4
360	4.3	14.1			

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5703 HDTV, DTV SDI** Digital Video RG-59/U Type Flexible Plenum Jacket Colors: Ivory Connector: 75 Ω 3 Piece BNC, CN-BM 73-30	CMP	20 (Solid) Bare Copper 10 Ω/M'	.138	3.51 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.207	5.26	16.1	52.8	84%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.28	.93	540	5.31	17.41
10	.67	2.18	720	6.29	20.62
71.5	1.95	6.39	1000	7.56	24.79
135	2.55	8.37	1500	9.33	30.68
270	3.82	12.54	2250	11.40	37.40
360	4.34	14.23	3000	13.61	44.65

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5704 HDTV, DTV SDI** Digital Video RG-6/U Type PVC Jacket Colors: Black, Red, Green, Blue, White, Yellow Connector: 75 Ω 3 Piece BNC, CN-BM 73-5	CMR	18 (Solid) Bare Copper 6.4 Ω/M'	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.275	6.99	16.2	53.1	82%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.23	.75	540	3.93	12.89
10	.5	1.64	720	4.65	15.25
71.5	1.47	4.82	1000	5.52	18.11
135	1.93	6.33	1500	7.06	23.16
270	2.85	9.35	2250	8.75	28.70
360	3.22	10.56	3000	10.45	34.28

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5705 HDTV, DTV SDI** Digital Video RG-6/U Type Flexible Plenum Jacket Colors: Ivory Connector: 75 Ω 3 Piece BNC, CN-BM 73-4	CMP	18 (Solid) Bare Copper 6.4 Ω/M'	.170	4.32 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.236	5.99	16.2	53.1	84%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.23	.69	540	3.97	11.38
10	.5	1.92	720	4.69	13.24
71.5	1.48	4.37	1000	5.57	15.92
135	1.95	5.79	1500	7.19	20.02
270	2.88	8.08	2250	8.92	24.27
360	3.25	9.30	3000	10.75	28.79

AquaBlock coaxial cables listed on page 22 Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10%
‡Gas Injected foam polyethylene **SDI (Serial Digital Interface) 100% Sweep Tested, 0.3MHz to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Pro Video Coax Serial Digital

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5800 HDTV, DTV SDI ** Digital Video RG-7/U Type PVC Jacket Colors: Black, Red, Green, Blue, White, Yellow Connector: 75 Ω 3 Piece BNC, CN-BM 73-7	CMR	16 (Solid) .051 Bare Copper 4.1 Ω/M'	.236	5.99 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.340	8.64	16.2	53.1	83%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.21	.69	540	3.44	11.28
10	.58	1.90	720	4.00	13.12
71.5	1.32	4.33	1000	4.81	15.78
135	1.75	5.74	1500	5.99	19.65
270	2.44	8.00	2250	7.26	23.81
360	2.81	9.22	3000	8.53	27.98

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5801 HDTV, DTV SDI ** Digital Video RG-7/U Type Plenum Jacket Color: Natural	CMP	16 (Solid) .051 Bare Copper 4.1 Ω/M'	.230	5.84 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.298	7.57	16.2	53.1	83%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.21	.69	540	3.47	11.38
10	.59	1.92	720	4.04	13.24
71.5	1.33	4.37	1000	4.85	15.92
135	1.77	5.79	1500	6.10	20.02
270	2.46	8.08	2250	7.40	24.27
360	2.84	9.30	3000	8.78	28.79

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5802 HDTV, DTV SDI ** Digital Video RG-11/U Type PVC Jacket Colors: Black, Red, Green, Blue, White, Yellow	CMR	14 (Solid) .064 Bare Copper 2.5 Ω/M'	.280	7.11 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.405	10.29	16.0	52.5	85%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.15	.49	540	2.93	9.61
10	.34	1.12	720	3.46	11.35
71.5	1.11	3.64	1000	4.08	13.38
135	1.45	4.76	1500	4.78	15.68
270	2.02	6.63	2250	6.01	19.71
360	2.40	7.87	3000	7.24	23.74

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5803 Precision Video Polyethylene Jacket Color: Black Connector: 75 Ω 3 Piece BNC, #CN-BM73-3		20 (Solid) Bare Copper 10.1 Ω/M'	.198	5.03 Solid Polyethylene	2 Tinned Copper Braids 96%	.305	7.75	21	69	66%	75

Nom. Attenuation					
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.25	.82	50	1.5	4.9
4	.57	1.9	100	2.7	8.9
7	.75	2.4	400	5.3	17.4
10	.8	2.6	900	8.1	26.6

AquaBlock coaxial cables listed on page 22

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10%
‡Gas Injected foam polyethylene 100% Sweep Tested, 0.3MHz to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage **SDI (Serial Digital Interface)

Pro Video RGB/SYNC

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5900 Pro Video Mini High Resolution 3 Miniature Coaxial Units	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.415 Individual Coax O. D. .146	10.54 3.71	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 5901 Pro Video Mini High Resolution 4 Miniature Coaxial Units	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.421 Individual Coax O. D. .146	10.69 3.71	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 5902 Pro Video Mini High Resolution 5 Miniature Coaxial Units	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.474 Individual Coax O. D. .146	11.79 3.71	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 5903 Pro Video Mini High Resolution 6 Miniature Coaxial Units plus 1 pair 22 AWG, shielded	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.498 Individual Coax O. D. .146	12.65 3.71	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
This cable contains 6 coax units plus1 pair 22 AWG shielded (jacket color-gray)											
 5904 Pro Video Mini High Resolution 6 Miniature Coaxial Units plus 4 pair 22 AWG, shielded	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.510 Individual Coax O. D. .146	12.82 3.71	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
This cable contains 6 coax units plus 4 pair 22 AWG shielded (jacket color-gray)											

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.48	1.57	10	1.73	5.67	135	4.69	15.38	360	7.72	25.32	720	10.88	35.69	2250	18.92	62.06
3.6	.98	3.21	71.5	3.51	11.51	270	6.51	21.35	540	9.3	30.50	1000	13.34	43.76	3000	22.16	72.68

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5905 Pro Video Mini High Resolution 4 Miniature Coaxial Units	CMP	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.382 Individual Coax O. D. .146	9.70 3.71	16.2	53.1	82%	75 Copolymer jacket Color: Blue Overall aluminum polyester foil + TC drain wire
 P5906 Pro Video Mini High Resolution 5 Miniature Coaxial Units	CMP	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.425 Individual Coax O. D. .146	12.79 3.71	16.2	53.1	82%	75 Copolymer jacket Color: Blue Overall aluminum polyester foil + TC drain wire

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.48	1.59	10	1.75	5.73	135	4.73	15.52	360	7.79	25.55	720	10.98	36.01	2250	19.28	63.24
3.6	.99	3.24	71.5	3.54	11.62	270	6.57	21.54	540	9.38	30.78	1000	13.46	44.15	3000	22.80	74.79

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene
100% Sweep Tested, 0.3MHz to 3GHz *Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Pro Video Coax RGB/SYNC

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 P5907 Pro Video, 3 Miniature Coaxial Units	CMP	26 (7x34) Tinned Copper 41 Ω/M'	.073	1.98 Foam FEP	Tinned Copper Spiral 95% AL. Foil 100%	.304 Individual Coax O. D. .125	7.72 3.17	16.1	52.8	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 P5908 Pro Video, 5 Miniature Coaxial Units	CMP	26 (7x34) Tinned Copper 41 Ω/M'	.073	1.98 Foam FEP	Tinned Copper Spiral 95% AL. Foil 100%	.310 Individual Coax O. D. .125	7.87 3.17	16.1	52.8	82%	75 Copolymer jacket Color: Black Overall aluminum polyester foil + TC drain wire

Nom. Attenuation

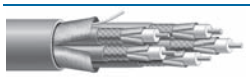
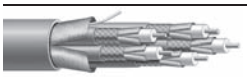
mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.7	10	1.7	5.5	71.5	4.7	14.8	270	9.1	29.9	750	16.4	53.8	3000	43.7	143.0
5	1.2	3.9	50	3.8	12.3	135	6.3	20.6	400	11.5	37.3	1000	19.5	64.0			

High & Super High Resolution RGB/Sync Cables Extended Bandwidth and Distance

 P5909 Pro Video High Resolution 4 RG-59/U Type Coaxial Units	CMP	20 (Solid) Bare Copper 10.0 Ω/M'	.138	3.51 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.538 Individual Coax O. D. .207	13.67 5.26	16.1	52.8	84%	75 Copolymer jacket Color: Blue Overall aluminum polyester foil + TC drain wire
 P5910 Pro Video High Resolution 5 RG-59/U Type Coaxial Units	CMP	20 (Solid) Bare Copper 10.0 Ω/M'	.138	3.51 Foam FEP	Dual Foil* 100% Tinned Copper Braid 95%	.595 Individual Coax O. D. .207	15.11 5.26	16.1	52.8	84%	75 Copolymer jacket Color: Blue Overall aluminum polyester foil + TC drain wire

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.28	.93	71.5	1.95	6.39	270	3.82	12.54	540	5.31	17.41	1000	7.56	24.79	2250	11.40	37.40
10	.67	2.18	135	2.55	8.37	360	4.34	14.23	720	6.29	20.62	1500	9.33	30.62	3000	13.61	44.65

 5911 Pro Video High Resolution 5 RG-59/U Type Coaxial Units	CM	20 (Solid) Bare Copper 10.0 Ω/M'	.142	3.61 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.725 Individual Coax O. D. .207	18.42 5.26	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 5912 Pro Video Super High Resolution 4 RG-6/U Type Coaxial Units	CM	18 (Solid) Bare Copper 6.4 Ω/M'	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.750 Individual Coax O. D. .275	19.05 6.99	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire
 5913 Pro Video Super High Resolution 5 RG-6/U Type Coaxial Units	CM	18 (Solid) Bare Copper 6.4 Ω/M'	.180	4.57 Gas Injected PE‡	Dual Foil* 100% Tinned Copper Braid 95%	.830 Individual Coax O. D. .275	21.08 6.99	16.2	53.1	82%	75 PVC jacket Color: Black Overall aluminum polyester foil + TC drain wire

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.23	.75	71.5	1.47	4.82	270	2.85	9.35	540	3.93	12.89	1000	5.52	18.11	2250	8.75	28.70
10	.5	1.64	135	1.93	6.33	360	3.22	10.56	720	4.65	15.25	1500	7.06	23.16	3000	10.75	34.28

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested, 0.3MHz to 3GHz
*Dual Foil is an aluminum polyester aluminum tape with 100% coverage

Video Triaxial Cable RG-59/U Type

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5100 Triaxial Cable RG-59/UType PVC jacket Color: Black	CL2	20 (Solid) .032 Bare Copper 10.1 Ω/M'	.142	3.61	2 Bare Copper Braids 95% .020 PVC separator between shields	.315	8.0	16.2	53.1	82%	75
			Gas Injected PE‡			Nom. Attenuation					
						mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
						1	.5	1.6	100	2.2	7.2
						5	.7	2.3	400	5.6	18.4
						10	.9	3.0	750	7.2	23.6
						50	1.8	5.9	1000	9.1	29.8
 5101 Outdoor Triaxial Cable RG-59/UType Polyethylene jacket Color: Black		20 (Solid) .032 Bare Copper 10.1 Ω/M'	.142	3.61	2 Bare Copper Braids 95% .020 PVC separator between shields	.315	8.0	16.2	53.1	82%	75
			Gas Injected PE‡			Nom. Attenuation					
						mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
						1	.5	1.6	100	2.2	7.2
						5	.7	2.3	400	5.6	18.4
						10	.9	3.0	750	7.2	23.6
						50	1.8	5.9	1000	9.1	29.8
 5102 Flexible Design 3/8" Triaxial Cable RG-59/UType Duro-Flex jacket Color: Black		20 (Solid) .032 Bare Copper 10.1 Ω/M'	.142	3.61	2 Bare Copper Braids 95% .020 PVC separator between shields	.355	9.02	16.2	53.1	82%	75
			Gas Injected PE‡			Nom. Attenuation					
						mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
						1	.5	1.6	100	2.2	7.2
						5	.7	2.3	400	5.6	18.4
						10	.9	3.0	750	7.2	23.6
						50	1.8	5.9	1000	9.1	29.8
 P5103 Triaxial Cable RG-59/UType Copolymer jacket Color: Black Tint	CMP	20 (Solid) .032 Bare Copper 10.1 Ω/M'	.138	3.51	2 Bare Copper Braids 95% Fluoropolymer separator between shields	.355	9.02	16.8	54.9	78%	75
			Foam FEP			Nom. Attenuation					
						mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
						1	.35	1.2	100	2.7	8.9
						5	.55	1.8	400	5.5	18.0
						10	.85	2.8	750	7.9	25.9
						50	1.9	6.2	1000	9.6	31.5

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Video Triaxial Cable RG-11/U Type

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 5150 Triaxial Cable RG-11/UType PVC jacket Color: Black	CL2	14 (Solid) .064 Bare Copper 2.6 Ω/M'	.280	7.11	2 Bare Copper Braids 95% .020 PVC separator between shields	.475	12.07	16.2	53.1	82%	75
			Gas Injected PE‡								
 5151 Outdoor Triaxial Cable RG-11/UType Polyethylene jacket Color: Black		14 (Solid) .064 Bare Copper 2.6 Ω/M'	.280	7.11	2 Bare Copper Braids 95% .020 PVC separator between shields	.475	12.07	16.2	53.1	82%	75
			Gas Injected PE‡								
 5152 Flexible Design Triaxial Cable RG-11/UType Duro-Flex jacket Color: Black		14 (19x27) Bare Copper 3.0 Ω/M'	.304	7.72	2 Bare Copper Braids 95% .020 PVC separator between shields	.510	12.95	17	56	82%	75
			Gas Injected PE‡								
 P5153 Triaxial Cable, Plenum RG-11/UType Copolymer jacket Color: Black Tint	CL2P	14 (Solid) .064 Bare Copper	.272	6.91	2 Bare Copper Braids 95% Fluoropolymer separator between shields	.420	10.67	16.2	53.1	82%	75
			Foam FEP								

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.2	.7	200	2.2	7.2
10	.35	1.2	500	4.1	13.5
50	1.0	3.3	700	4.7	15.4
100	1.5	4.9	1000	5.4	17.7

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.2	.7	200	2.2	7.2
10	.35	1.2	500	4.1	13.5
50	1.0	3.3	700	4.7	15.4
100	1.5	4.9	1000	5.4	17.7

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.14	.46	200	2.2	7.2
10	.45	1.5	400	3.3	10.8
50	1.0	3.3	700	4.6	15.1
100	1.5	4.9	1000	5.4	17.7

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.15	.49	100	1.40	4.60
5	.26	.85	400	3.80	12.50
10	.45	1.50	1000	7.00	23.00
50	.90	3.00			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Pro-Video SVHS Cables

Applications: Pro Video, SVHS, CCTV

Miniature 75 Ω SVHS Video Coax

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 6000 Dual Miniature PVC Jacket Color: Blue 4 Pin Mini Din Connector: CN-SVHS-M	CM CL2	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16	Bare Copper Braid 95%	.146 x .302	3.71 x 7.67	16.2	53.1	82%	75
 P6001 Dual Miniature PVC Jacket Color: Blue 4 Pin Mini Din Connector: CN-SVHS-M	CMP CL2P	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98	Bare Copper Braid 95%	.146 x .302	3.71 x 7.67	16.2	53.1	82%	75

Gas Injected PE‡

Foam FEP

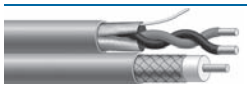
Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	8.59	28.18
10	1.80	5.90	700	11.14	36.53
50	3.12	10.23	900	13.22	43.36
100	4.19	13.75	1000	14.41	47.26
200	5.79	19.00			

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	9.66	31.70
10	1.80	5.90	700	12.61	41.36
50	3.12	10.23	900	14.95	49.04
100	4.40	14.43	1000	16.18	53.07
200	6.41	21.03			

Miniature 75 Ω CCTV Video Coax Siamese

Part No.	NEC Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m	Nom. Vel. of Prop.	Nom. Imp. Ω
 6002 Siamese Construction Miniature Coax plus 1 pair shielded PVC Jacket Colors: Black, White *This cable contains 1 coax unit plus 1 pair, 22 AWG, shielded*	CM	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16	Bare Copper Braid 95%	.146 x .302	3.71 x 7.67	16.2	53.1	82%	75

Gas Injected PE‡

Nom. Attenuation

mhz	db/100 ft	db/100 m	mhz	db/100 ft	db/100 m
1	.5	1.64	400	8.59	28.18
10	1.80	5.90	700	11.14	36.53
50	3.12	10.23	900	13.22	43.36
100	4.19	13.75	1000	14.41	47.26
200	5.79	19.00			

Standard spool size 1000 feet, spools are one piece, but length may vary +/- 10% ‡Gas Injected foam polyethylene 100% Sweep Tested

Twisted Pair Video V/CAT Cables – Video Over UTP

V/CAT
(Video over Category 5E cables) are designed for the video over UTP applications. The cables are constructed with two pairs of UTP Category 5E type, and two conductors of either 18 or 16 Awg.

- **Pair 1**
  Category 5E Type 100 Ω
  Category 5E type. The first pair is used for video transmission.

- **Pair 2**
  Category 5E Type 100 Ω
  Category 5E type. The second pair is for video transmission or data transmission, such as RS-422 or RS-485 or PTZ for the cameras.

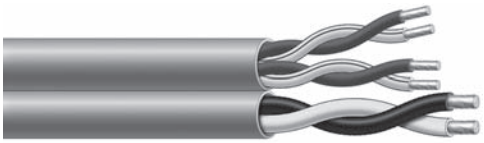
- **Two Conductors**
  The 18 or 16 Awg. solid bare conductors are used to carry power to the cameras.

V/CAT
Unshielded twisted pairs are 100 Ω balanced cables. The UTP's are tightly twisted to prevent outside interferences (EMI/RFI) and internal interference from the other pair, and conductors.

V/CAT
Power carrying conductors are available in either 18 Awg. Or 16 Awg. conductors are used for extremely long video over UTP runs.

V/CAT
Cables are available in Plenum or Riser constructions. The cables carry UL and C(UL) listing CMR and/or CMP.

V/CAT
Characteristics:
- Send power and video signals over the same shared sheath.
- Supports: Video/PTZ/Power
  Two video/Power
- Plenum and Riser constructions



Part No. & Rating	Cable Type	NEC Rating	Dielectric Material	Jacket Type	Nom. Ω 2 pair UTP	2 pair Nom. Capacitance pf/ft	pf/m
7000	2 Pair 24 Awg. UTP 2 Cond. 18 Awg. Unshielded	CM	Thermoplastic	PVC – Gray	100 Ω	14	46
P7001	2 Pair 24 Awg. UTP 2 Cond. 18 Awg. Unshielded	CMP	Plenum Thermoplastic	Plenum – Gray	100 Ω	14	46
7002	2 Pair 24 Awg. UTP 2 Cond. 16 Awg. Unshielded	CM	Thermoplastic	PVC – Gray	100 Ω	14	46
P7003	2 Pair 24 Awg. UTP 2 Cond. 16 Awg. Unshielded	CMP	Plenum Thermoplastic	Plenum – Gray	100 Ω	14	46

Broadcast Cable

AUDIO

Description
- PVC fillers as required
- Polyethylene insulation
- Polypropylene insulation
- Short overall twist lengths
- ASTM tinned copper
- Polyester binders as required
- Overall shield 100% coverage of aluminum polyester foil with strd. TC drain wire
- Overall PVC jacket

Ratings
- (UL) or (ETL)us Listed
- NEC Type CM or CL2
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Pro Audio
- Sound Systems
- Post Production Facilities
- Recording Studio
- Power-Limited Control Circuits
- Sound and Audio

Twisted Pair
Shielded with Gray Jacket

Part No.	No. of Pairs	NEC Type	AWG Size & Stranding Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
				inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
8100	1	CM	22 (7x30) 22 Strd. Drain	.016 PE†	.41	.025	.64	.175	4.45	24	79	47	154
8101	1	CM	20 (7x28) 20 Strd. Drain	.016 PE†	.41	.028	.71	.204	5.18	27	89	49	161
8102	1	CM	18 (16x30) 20 Strd. Drain	.018 PE†	.46	.028	.71	.222	5.64	24	79	44	144
8103	1	CL2	16 (19x29) 18 Strd. Drain	.032 PE†	.81	.032	.81	.310	7.87	23	75	44	144
8104	1	CL2	14 (19x27) 16 Strd. Drain	.032 PE†	.81	.035	.89	.340	8.64	24	79	47	154
8105	1	CL2	12 (19x25) 14 Strd. Drain	.037 PE†	.94	.040	1.02	.400	10.16	25	82	49	161

Color Code: Black, Clear

Miniature Audio
22 AWG

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
8000	1	224 (7x30) 17 Ω/M' 22 Strd. Drain‡	.008	.20	.020	.51	.135	3.43	34	112	67	220

The aluminum polyester shield is bonded to the jacket so both can be removed with automatic stripping equipment

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet †PE = Polyethylene ‡The drain wire on product 8000 is on the inside of the foil shield

Color Code: 1. Black 2. Red

Broadcast Cable

AUDIO

Description
- Polypropylene insulation (color code: black, red)
- Each pair individually shielded with bonded† aluminum polyester foil 100% coverage and TC‡ drain wire
- ASTM tinned copper
- Each pair individually PVC jacketed
- Overall aluminum polyester foil and TC drain wire
- Short overall twist lengths
- Each pair shielded 100% coverage of aluminum polyester foil with 24 AWG TC drain wire
- Overall PVC jacket

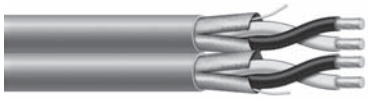
Ratings
- (UL) Listed
- NEC Type CM
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Power – Limited Control Circuits
- Sound and Audio
- Post Production Facilities
- Intercom Systems
- Broadcast
- Recording Studio

Analog Multi-pair
Individually Shielded and Jacketed Pairs

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
8200	6	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	.475	12.1	34	112	67	220
			Individual pair jacket Nom. O.D. .135									
8201	8	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	.575	14.61	34	112	67	220
			Individual pair jacket Nom. O.D. .135									
8202	12	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	.675	17.1	34	112	67	220
			Individual pair jacket Nom. O.D. .135									
8203	16	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	.745	18.9	34	112	67	220
			Individual pair jacket Nom. O.D. .135									
8204	24	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	.925	23.5	34	112	67	220
			Individual pair jacket Nom. O.D. .135									
8205	32	22 (7x30) 17 Ω/M'	.008	.20	.030	.76	1.02	25.9	34	112	67	220
			Individual pair jacket Nom. O.D. .135									

For color codes see chart J page 64



Miniature Dual Channel Audio Cable
Shielded with Zip Construction and Blue Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**
8251	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.008	.20	.020	.51	.135 x .280	.343 x 7.11	34	112	67	220

Note: Overall jacket is blue with one channel imprinted for identification

For color codes see chart I page 64

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
†Individual pair jackets and shields are bonded together for ease of stripping
‡Individual pair drain wire size 22 AWG stranded TC Standard spool size 1000 feet

Broadcast Cable

AUDIO

Description
- Low-loss foam insulation
- ASTM tinned copper
- Short overall twist lengths
- Polyester binders as required
- Each pair individually PVC jacketed
- Individual pair jackets and shields are bonded together for ease of stripping
- Overall aluminum polyester foil and TC drain wire
- Overall PVC jacket with ripcord

Ratings
- (UL) Listed for code compliance
- NEC Type CM
- Meets 300 volt requirements as specified in Article 800 of the NEC

Indoor Applications
- Pro Audio
- Sound Systems
- Recording Studio
- Post Production Facilities

AES/EBU Digital Audio Cable
with Gray Jacket

Non-Plenum – Individually Shielded Pairs⁺ PVC Jacket

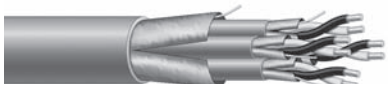
Part No.	NEC Type	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
8206†	CM	1	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.030	.76	.182	4.62	12.5	41	22.5	74	78%	110
8207	CM	2	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.030	.76	.298	7.57	12.5	41	22.5	74	78%	110
8208	CM	6	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.045	1.14	.439	11.15	12.5	41	22.5	74	78%	110

Plenum – Individually Shielded Pairs⁺ – Plenum PVDF Jacket

Part No.	No. of Pairs	NEC Type	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8209	CMP	1	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.010	.25	.141	3.58	12.5	41	22.5	74	78%	110
P8210	CMP	2	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.010	.25	.238	6.05	12.5	41	22.5	74	78%	110
P8211	CMP	6	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.010	.25	.350	8.89	12.5	41	22.5	74	78%	110

Color Code: All pairs - Blue, White. Pair Foil Colors - 1. Brown 2. Red 3. Orange 4. Yellow 5. Green 6. Blue

Notes: *Orange ripcord included on cable with 2 or more pairs Each pair individually shielded 100% coverage of aluminum polyester foil with strd. TC drain wire*
⁺ Pairs identified by color coded foils † 8206 is available in jacket colors: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black, Tan, Pink



AES/EBU Digital Audio Cable
Multiple Pair Individually Shielded and Jacketed with Gray Jacket

Part No.	NEC Type	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
8212	CM	4	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.030	.76	.528	13.41	12.5	41	22.5	74	78%	110
									Individual pair jacket Nom. O.D. .182						
8213	CM	8	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.030	.76	.692	17.58	12.5	41	22.5	74	78%	110
									Individual pair jacket Nom. O.D. .182						
8214	CM	12	24 (7x32) 26 Ω/M' 24 Strd. Drain	.020	.51	.010	.25	.846	21.49	12.5	41	22.5	74	78%	110
									Individual pair jacket Nom. O.D. .182						

Notes: *Orange ripcord under jacket Each pair individually shielded with bonded aluminum polyester foil 100% coverage and TC drain wire Insulted conductor colors: Blue and White*

For color codes see chart J page 64

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

Broadcast Cable

AUDIO

Description

- Fillers to enhance flexibility
- Tight woven tinned copper braid for increased durability and rejection of unwanted noise interference
- Overall PVC Jacket
- Ultra flexible bare copper stranded conductors
- Polyethylene insulation on primary conductors
- Polyethylene insulation
- Twisted Pair construction
- Flexible thermoplastic elastmer jacket that is oil resistant
- ASTM tinned Copper condutors
- Tinned Copper braid 95% coverage

Microphone Cable

Ultra Flex with Blue, Orange, Red, Yellow or Black Jacket

Part No. and Type	AWG Size & Stranding Nom. D.C.R.	Nom. O. D. Insulation inch	Nom. O. D. Insulation mm	Shield Type and % Coverage Shield D. C. R.	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance* pf/ft	Nominal Capacitance* pf/m	Nom. Imp. Ω
8300† 2 Conductor	22 (65x40) Bare Copper 17 Ω/M'	.015	.38	Tinned Copper Braid 95% 8.5 Ω/M'	.237	6.02	25	82	82
		Polyethylene			TPE Oil Resistant				

Part No. and Type	AWG Size & Stranding Nom. D.C.R.	Nom. O. D. Insulation. inch	Nom. O. D. Insulation. mm	Shield Type and % Coverage Shield D. C. R.	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance* pf/ft	Nominal Capacitance* pf/m	Nom. Imp. Ω
8301† 4 Conductor	22 (65x40) Bare Copper 17 Ω/M'	.010	.25	Tinned Copper Braid 95% 8.5 Ω/M'	.237	6.02	42	138	45
		Polyethylene			TPE Oil Resistant				

Color Code: 2. Blue 2.White

Microphone Cable

with Gray Jacket

Part No. and Type	AWG Size & Stranding Nom. D.C.R.	Insulation Nom. O. D. inch	Insulation Nom. O. D. mm	Shield Type and % Coverage Shield D. C. R.	Nom. Cable O. D. Jacket Type inch	Nom. Cable O. D. Jacket Type mm	Nominal Capacitance pf/ft	Nominal Capacitance pf/m
8302 2 Conductor	20 (7x28) Tinned Copper 10.5 Ω/M'	.015	.38	Tinned Copper Braid 95% 8.5 Ω/M'	.245	6.22	23	41
		Polyethylene			PVC			

Color Code: 1 Black and Clear

*Capacitance between combined blue and white conductors Standard spool size 1000 feet

† Available in a variety of jacket colors - Please contact factory for availability

Data Grade Cable

Description

- FR Polypropylene foamed insulation
- Short overall twist lengths
- ASTM tinned copper
- Polyester binders as required
- Overall PVC jacket and 75° C PVC jacket
- Overall shield 100% coverage of aluminum polyester foil with strd. TC drain wire
- Overall shield 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire

Ratings

- (UL) or c(ETL)us Listed
- NEC Type CM
- Meets 300 volt requirement as specified in Article 800 of the NEC

Indoor Applications

Data cables for:

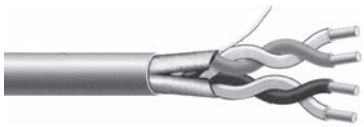
- Signaling
- Electronic
- Control
- Microprocessor Based

Multiple Conductor

Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	mm	Nom. Jacket Thickness inch	mm	Nom. O. D. inch	mm	Nominal Capacitance pf/ft*	pf/m*	pf/ft**	pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
8400	1	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.030	.76	.168	4.27	26	85	47	154	71%	55
8475	3 Cond	22 (7x30) 17 Ω/M' 22 Strd. Drain	.010	.25	.030	.76	.179	4.55	26	85	47	154	71%	55
8401	1	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.012	.30	.030	.76	.189	4.80	28	92	49	161	71%	50
8402	1	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.015	.38	.030	.76	.198	5.03	28	92	50	164	71%	50
8476	3 Cond	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.015	.38	.030	.76	.234	5.94	28	92	50	164	71%	50
8403	1	16 (19x29) 4.4 Ω/M' 18 Strd. Drain	.015	.38	.030	.76	.216	5.49	32	105	58	190	71%	45

For color codes see chart A page 63



Multiple Pair Series

Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	mm	Nom. Jacket Thickness inch	mm	Nom. O. D. inch	mm	Nominal Capacitance pf/ft*	pf/m*	pf/ft**	pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
8451	1	24 (7x32) 26 Ω/M'	.013	.33	.030	.76	.160	4.06	14.5	48	26	85	71%	100
8452	2	24 (7x32) 26 Ω/M'	.013	.33	.030	.76	.228	5.79	14.5	48	26	85	71%	100
8453	3	24 (7x32) 26 Ω/M'	.013	.33	.030	.76	.248	6.30	14.5	48	26	85	71%	100
8454	4	24 (7x32) 26 Ω/M'	.013	.33	.030	.76	.268	6.81	14.5	48	26	85	71%	100
8455	6	24 (7x32) 26 Ω/M'	.013	.33	.030	.76	.317	8.05	14.5	48	26	85	71%	100
8456	2	22 (7x30) 17Ω/M'	.010	.25	.030	.76	.235	5.97	26	85	47	154	71%	55
8457	3	22 (7x30) 17Ω/M'	.010	.25	.030	.76	.248	6.30	26	85	47	154	71%	55
8458	4	22 (7x30) 17Ω/M'	.010	.25	.030	.76	.268	6.81	26	85	47	154	71%	55
8459	6	22 (7x30) 17Ω/M'	.010	.25	.030	.76	.317	8.05	26	85	47	154	71%	55

Notes: *Select cables are available in a pullout box* *Orange ripcord included on cables containing 3 or more pairs*

For color codes see page 56

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield

Standard spool size 1000 feet

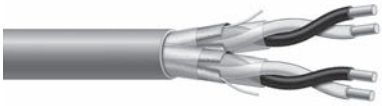
Data Grade Cable

Description
- FR Polypropylene foamed insulation
- Short overall twist lengths
- ASTM tinned copper
- Polyester binders as required
- Overall PVC jacket
- Each pair shielded 100% coverage of aluminum polyester foil with 24 strd. TC drain wire

Ratings
- (UL) or c(ETL)us Listed
- NEC Type CM
- Meets 300 volt requirement as specified in Article 800 of the NEC

Indoor Applications
Data cable for:
- Signaling
- Electronic
- Control
- Microprocessor Based

Notes:
- *Select cables are available in a pullout box*
- *Orange ripcord included on cables containing 3 or more pairs*



Multiple Pair Series
Individually Shielded Pairs with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
8500‡	2	22 Solid 17.5 Ω/M'	.015	.38	.030	.76	.261	6.63	15.5	51	28	92	71%	100
8501	2	22 (7x30) 17 Ω/M'	.010	.25	.030	.76	.244	6.20	26	85	47	154	71%	55
8502	3	22 (7x30) 17 Ω/M'	.010	.25	.030	.76	.258	6.55	26	85	47	154	71%	55
8503	4	22 (7x30) 17 Ω/M'	.010	.25	.030	.76	.280	7.11	26	85	47	154	71%	55
8504	6	22 (7x30) 17 Ω/M'	.010	.25	.030	.76	.332	8.43	26	85	47	154	71%	55
8505†	2	22 (7x30) 17 Ω/M'	.010	.25	.030	.76	.248	6.30	26	85	47	154	71%	55

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet ‡Drain wire 22 solid tinned copper †Employs individually shielded pairs plus overall shield with one 24 AWG strd. drain wire common to all shields to ensure greater shielding and lower DC resistance

Color Code:
8500: 1. Black/Yellow 2. Red/Green
8505: 1. Black/Red 2. White/Green

All Others:
1. Black/Red 2. Black/White
3. Black/Green 4. Black/Blue
5. Black/Yellow 6. Black/Brown

Data Grade Cable PLENUM

Description
- Teflon® and foamed Teflon® insulation
- Short overall twist lengths
- ASTM tinned and bare copper
- Polyester binders as required
- Overall Copolymer jacket
- Overall shield 100% coverage of aluminum polyester foil with strd. TC drain wire
- Pairs individually aluminum foil shielded with TC drain wire

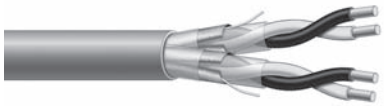
Ratings
- (UL) - c(UL)us Listed or c(ETL)us Listed
- NEC Type CMP and CL2P
- Meets 300 volt requirement as specified in Article 800 of the NEC

Indoor Applications
Data cables within duct, plenums and other environmental air spaces for:
- Signaling
- Electronic
- Control
- Microprocessor Based
- Data
- P.O.S. Point of Sale
- Inventory Control

Multiple Conductor
Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8404	1	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.120	3.05	25	82	45	148	69%	55
P8405	1	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.135	3.43	27	89	49	161	69%	50
P8406	1	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.148	3.76	30	98	54	177	69%	45
P8407	1	16 (19x29) 4.4 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.170	4.32	36	118	65	213	69%	40
P8477	3 Cond	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.185	4.70	30	98	54	177	69%	45

For color codes see page 56



Individually Shielded Pairs
with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8506	2	22 Solid 17.5 Ω/M'	.020	.51	.010	.25	.234	5.94	12.5	41	22.5	74	78%	100

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield

For color codes see page 56

Teflon® is a registered trademark of Du Pont Standard spool size 1000 feet

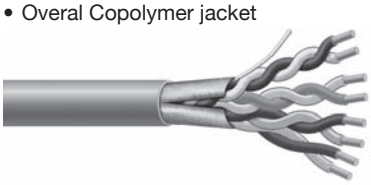
Data Grade Cable PLENUM

Description
- Short overall twist lengths
- Teflon® insulation
- ASTM tinned copper
- Polyester binders as required
- Overal Copolymer jacket
- Overall shield 100% coverage of aluminum polyester foil with 24 strd. TC drain wire

Ratings
- (UL) - C(UL) Listed or c(ETL)us Listed
- NEC Type CMP
- Meets 300 volt requirement as specified in Article 800 of the NEC

Indoor Applications
Data cables within duct, plenums and other environmental air spaces for:
- Signaling
- Electronic
- Control
- Microprocessor Based

Notes:
- *Select cables are available in a pullout box*
- *Orange ripcord under jacket*



Multiple Pair Series
Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8460	1	24 (7x32) 26 Ω/M'	.013	.33	.015	.38	.115	2.92	14.5	48	26	85	69%	100
P8461	2	24 (7x32) 26 Ω/M'	.013	.33	.015	.38	.188	4.78	14.5	48	26	85	69%	100
P8462	3	24 (7x32) 26 Ω/M'	.013	.33	.015	.38	.204	5.18	14.5	48	26	85	69%	100
P8463	4	24 (7x32) 26 Ω/M'	.013	.33	.015	.38	.224	5.69	14.5	48	26	85	69%	100
P8464	6	24 (7x32) 26 Ω/M'	.013	.33	.015	.38	.273	6.93	14.5	48	26	85	69%	100
P8465[1]	12.5	24 (7x32) 26 Ω/M'	.015	.38	.015	.38	.408	10.36	12.95	42	23	76	69%	100
P8466	2	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.191	4.85	25	82	45	148	69%	55
P8467	3	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.204	5.18	25	82	45	148	69%	55
P8468	4	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.224	5.69	25	82	45	148	69%	55
P8469	6	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.273	6.93	25	82	45	148	69%	55

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see page 56

[1]Color Code:

1. White/Blue	7. Red/Orange
2. White/Orange	8. Red/Green
3. White/Green	9. Red/Brown
4. White/Brown	10. Red/Gray
5. White/Gray	11. Black/Blue
6. Red/Blue	12. Black/Orange

Single Conductor: Black

Data Grade Cable PLENUM

Description
- Short overall twist lengths
- Teflon® insulation
- Polyolefin insulation
- ASTM tinned copper
- Polyester binders as required
- 90% Tinned Copper Braid
- Overall Copolymer and PVC jackets
- Each pair shielded 100% coverage of aluminum polyester foil with 24 strd. TC drain wire
- Twisted Pair Construction
- Polyester Wrap
- Overall shield 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire

Ratings
- (UL) - C(UL) Listed or c(ETL)us Listed
- NEC Type CM or CMP
- Meets 300 volt requirement as specified in Article 800 of the NEC

Indoor Applications
Data cables for:
- Signaling
- Electronic
- Control
- Microprocessor Based
- Computer Application
- RS-485
- Low-Capacitance Data

Multiple Pair Series
Individually Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8507‡ [1]	2	22 Solid 17.5 Ω/M'	.012	.30	.015	.38	.185	4.70	15.5	51	28	92	69%	100
P8508	2	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.200	5.08	25	82	45	148	69%	55
P8509	3	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.214	5.44	25	82	45	148	69%	55
P8510	4	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.236	5.99	25	82	45	148	69%	55
P8511	6	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.288	7.32	25	82	45	148	69%	55
P8512† [2]	2	22 (7x30) 17Ω/M'	.010	.25	.015	.38	.204	5.18	25	82	45	148	69%	55

Notes: *Select cables are available in a pullout box* *Orange ripcord under jacket*

For color codes see page 56
[1] 1. Black/Yellow 2. Red/Green
[2] 1. Black/Red 2. White/Green

Multiple Pair Conductor
Overall Shielded with Gray Jacket

Part No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Nom. O. D. inch	Nom. O. D. mm	Nominal Capacitance pf/ft*	Nominal Capacitance pf/m*	Nominal Capacitance pf/ft**	Nominal Capacitance pf/m**	Nom. Vel. of Prop.	Nom. Imp. Ω
P8600	1	24 (7x32) 24 Ω/M'	.035	.89	.032	.81	.275	6.99	12.8	42	23	75	66	120
P8601	2	24 (7x32) 24 Ω/M'	.035	.89	.032	.81	.305	7.75	12.8	42	23	75	66	120
P8602	3	24 (7x32) 24 Ω/M'	.035	.89	.032	.81	.320	8.13	12.8	42	23	75	66	120
P8603	4	24 (7x32) 24 Ω/M'	.035	.89	.032	.81	.345	8.76	12.8	42	23	75	66	120

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 ft ‡Drain wire 22 solid tinned copper †Employs individually shielded pairs plus overall shield with one 24 AWG strd. drain wire common to all shields to ensure greater shielding and lower DC resistance
Teflon® is a registered trademark for fluoropolymer resins, films, and fibers made by Du Pont

Color Code:
1. Blue: White/Blue
2. Orange: White/Orange
3. Green: White/Green
4. Brown: White/Brown

Residential Cable

Description
- PVC insulation
- ASTM bare copper
- Overall PVC jacket
- Twisted pair or cabled construction
- Polyester binders as required
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire

Ratings
- (UL) or (ETL)us Listed
- NEC Type CL2 and CM

Indoor Applications
- Background Music
- Sound and Audio
- Power – Limited Control Circuits
- Home Entertainment Systems

Sound and Audio Cable
Two and Four Conductor Unshielded

Part No.	No. of Conds.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
RS9000	2	16 (26x30) 4.2 Ω/M'	.010	.25	.020	.51	.199	5.05
RS9001	4	16 (26x30) 4.2 Ω/M'	.010	.25	.020	.51	.228	5.79
RS9002	2	14 (41x30) 2.7 Ω/M'	.014	.36	.025	.64	.245	6.22
RS9003	4	14 (41x30) 2.7 Ω/M'	.014	.36	.025	.64	.295	7.49
RS9004	2	12 (65x30) 1.7 Ω/M'	.014	.36	.025	.64	.280	7.11
RS9005	4	12 (65x30) 1.7 Ω/M'	.014	.36	.025	.64	.340	8.64

For color codes see chart K page 64

Composite Audio Cable
with Blue Jacket

Part No.	No. of Conds.	6WG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.	
			inch	mm	inch	mm	inch	mm
CA1000	4 Cond	16 (26x30) 4.2 Ω/M'	.010	.25	NA	NA	.375	9.53
	4 Pairs	24 Solid Bare Copper	.020	.51	.209	5.31		

For color codes see chart K page 64

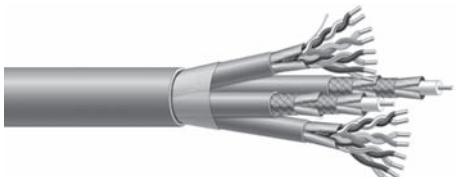
Sound and Audio Cable
Two and Four Conductor Shielded

Part No.	No. of Conds.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O. D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
RS1100	2	16 (26x30) 4.2 Ω/M'	.010	.25	.020	.51	.195	4.95	80	262	144	472
RS1101	4	16 (26x30) 4.2 Ω/M'	.010	.25	.020	.51	.240	6.10	80	262	144	472
RS1102	2	14 (41x30) 2.7 Ω/M'	.014	.36	.025	.64	.245	6.22	76	249	137	449
RS1103	4	14 (41x30) 2.7 Ω/M'	.014	.36	.025	.64	.294	7.49	76	249	137	449

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

For color codes see chart K page 64

Residential Cable



Home Networking Composite Cable

Part No.	Description	Overall Jacket and Cable O.D.
SH2000	1 - RG-6 Quad Shield Coax Cables 1 – 4 Pair Category 5e Cable	Blue PVC Jacket .525”
SH2001	2 - RG-6 Quad Shield Coax Cables 1 – 4 Pair Category 5e Cable	Blue PVC Jacket .595”
SH2002	1 - RG-6 Quad Shield Coax Cables 2 – 4 Pair Category 5e Cable	Blue PVC Jacket .585”
SH2003	2 - RG-6 Quad Shield Coax Cables 2 – 4 Pair Category 5e Cable	Blue PVC Jacket .620”
SH2004	2 - RG-6 Quad Shield Coax Cables 2 – 4 Pair Category 5e Cables 2 – 62.5/125 MM Fiber Optic Cables	Blue PVC Jacket .660”
SH2005	2 - RG-6 Quad Shield Coax Cables 2 – 4 Pair Category 5e Cables 1 pr 18 Awg. + 1 pr 22 Awg. Shld.	Blue PVC Jacket .670”

Coaxial Component	AWG Size & Stranding	Insulation Nom. O. D.		Shield Type and % Coverage	Nom. Cable O. D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω
		inch	mm		inch	mm	pf/ft	pf/m		
RG-6 Quad Shield	18 Solid Bare Copper	.180	4.57	Quad Shield Dual Foil* AL Braid Dual Foil* AL Braid	.285	7.24	16.2	53.1	82%	75
					External Video – Black Jacket Internal Video – White Jacket					

See page 42 for Attenuation

Category 5E Component	AWG Size & Stranding.	Insulation Type	Cable Jacket Type	Jacket O. D.		Nominal Capacitance		Nom. Imp. Ω	Conductor D. C. R.	Delta Delay (skew time)
				inch	mm	pf/ft	pf/m			
4 Pair Category 5 E Enhanced	24 Solid Bare Copper	Thermoplastic	PVC	.209	5.31	14.0		100 Ω +/- 15Ω	28.6 Ω /1000 ft.	.15ns/meter Max.
								Gray Jacket Pink Jacket		

Fiber Component	Glass Type	Number of Fibers	Fiber Assembly	Jacket Type Nom. O. D.		Attenuation	Bandwidth
				inch	mm		
Multimode Simplex	62.5/125pm Multimode	1	900pm Tight Buffer	.110 PVC	2.8	2.70 db/km@850 nm Typical 3.50 db/km@850 nm Max.	160 Mhz-km@850 nm

Residential Cable

Description
- Insulation (Data pair) foam polyethylene, (Control pair) PVC
- Insulation (Data pair) foam FEP, (Control pair) Fluoropolymer
- Twisted pair construction
- ASTM Bare copper
- Shielded data pair 100% coverage aluminum polyester foil with drain wire
- Overall Copolymer and PVC jackets

Ratings
- (UL) - C(UL) or c(ETL)us
- NEC Type CMR, CMP
- Meets 300 volt requirement as specified in Article 800 of the NEC

Applications
- Intercom Systems
- Sound Systems
- Security Systems
- Home Control Systems
- Pro Audio

Media Control Cables
with Yellow Jacket

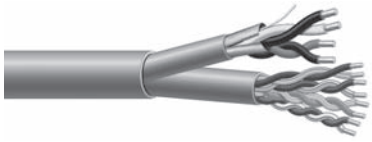
Part No.	No. of Conductors and Cable Construction	AWG Size & Stranding Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Jacket Type Nom. Cable O. D. inch	Jacket Type Nom. Cable O. D. mm	Nominal Capacitance* pf/ft*	Nominal Capacitance* pf/m*	Nominal Capacitance** pf/ft**	Nominal Capacitance** pf/m**
MC3000	4 (2 Shielded) 2 Unshielded	22 (7 x 30) 18 (7 x 26) 24 (7 x 32)	.025 .010	.64 .25	.030	.76	.255 PVC	6.48	12.5	41	22.5	74

Color Code: 1. Blue/White 2. Red/Black

Media Control Cables Plenum
with Black Jacket

Part No.	No. of Conductors and Cable Construction	AWG Size & Stranding Drain Wire	Nom. Insulation Thickness inch	Nom. Insulation Thickness mm	Nom. Jacket Thickness inch	Nom. Jacket Thickness mm	Jacket Type Nom. Cable O. D. inch	Jacket Type Nom. Cable O. D. mm	Nominal Capacitance* pf/ft*	Nominal Capacitance* pf/m*	Nominal Capacitance** pf/ft**	Nominal Capacitance** pf/m**
PMC3001	4 (2 Shielded) 2 Unshielded	22 (7 x 30) 18 (7 x 26) 24 (7 x 32)	.022 .007	.56 .18	.010	.25	.196 Copolymer	4.98	12.5	41	22.5	74

Color Code: 1. Blue/White 2. Red/Black



Media Control Composite Cables

Part No.	Description	Overall Jacket and Cable O.D.
MC3002	1 – (77350) Media Control Cable – 1 pair 22 Awg. shielded + 1 pair 18 Awg. Unshielded (Yellow Jacket) 1 – (4245) 4 pair Category 5E cable (Gray Jacket)	.485 inch 12.32 mm Yellow Jacket
MC3003	1 – (77350) Media Control Cable – 1 pair 22 Awg. shielded + 1 pair 18 Awg. Unshielded (Yellow Jacket) 2 – (4245) 4 pair Category 5E cable (Pink and Gray Jackets)	.500 inch 12.70 mm Yellow Jacket
MC3004	1 – (224) Control Cable: 1 pair 18 Awg. Unshielded (Gray Jacket) 1 – (4245) 4 pair Category 5E cable (Pink Jacket) 1- (815) RG59/U Coax: 20 Awg., Gas Injected Dielectric, 95% Copper Braid (Black Jacket)	.579 inch 12.17 mm Violet Jacket

*Capacitance between conductors **Capacitance between one conductor and the other connected to the shield
Standard spool size 1000 feet

Color Chart

Chart A

Cond. No.	Colors	Cond. No.	Colors
1	Black	16	White/Orange
2	Red	17	White/Blue
3	White	18	White/Brown
4	Green	19	White/Yellow
5	Brown	20	White/Purple
6	Blue	21	White/Gray
7	Orange	22	Black/Red
8	Yellow	23	Black/Green
9	Purple	24	Black/Yellow
10	Gray	25	Black/Blue
11	Pink	26	Black/Brown
12	Tan	27	Black/Orange
13*	White/Black	28	Black/Gray
14	White/Red	29	Black/Purple
15	White/Green	30	Red/Green

*Conductors 13 and above have an extruded stripe

Chart B

Pair No.	Paired Colors	Pair No.	Paired Colors
1	Black/Red-Red	15	Green/Blue-Blue
2	Black/White-White	16	Green/Yellow-Yellow
3	Black/Green-Green	17	Green/Brown-Brown
4	Black/Blue-Blue	18	Green/Orange-Orange
5	Black/Yellow-Yellow	19	White/Blue-Blue
6	Black/Brown-Brown	20	White/Yellow-Yellow
7	Black/Orange-Orange	21	White/Brown-Brown
8	Red/White-White	22	White/Orange-Orange
9	Red/Green-Green	23	Blue/Yellow-Yellow
10	Red/Blue-Blue	24	Blue/Brown-Brown
11	Red/Yellow-Yellow	25	Blue/Orange-Orange
12	Red/Brown-Brown	26	Brown/Yellow-Yellow
13	Red/Orange-Orange	27	Brown/Orange-Orange
14	Green/White-White		

Chart C

Part No.	Primary Color Code
100,101,102, 103, 105, 106	Black Red
108, 110	Black White
107, 109, 111	Brown Orange
104	Red White
112, 113, 114, 115, 117 118, 120, 121	Black Red White
116	Red White Green
119	Red Black Yellow

Chart D

22 AWG Conductors

Cond. No.	Colors	Cond. No.	Colors
1	Red	5	Orange
2	Green	6	Yellow
3	Brown	7	Purple
4	Blue	8	Gray

18 AWG Conductors

Cond. No.	Colors
1	Black
2	White

Chart E

Part No.	Primary Color Code
1027, 1028, 1029, 1030, 1031, 1033, 1034	Black Red
1032, 1035, 1036	Black White

Chart F

Part No.	Primary Color Code
1506, 1507, 1508, 1509, 1510, 1510, 1511, 1512, 1513, 1514	Shielded 1. Black 2. Red Unshielded 3. White 4. Green
1515, 1516, 1517	Shielded 1. Black 2. Red Unshielded 3. White 4. Green 5. Brown 6. Blue 7. Orange 8. Yellow 9. Purple 10. Gray 11. Pink 12. Tan

Chart G

1523	1524	1525	1526
Black	Black Red/Black	1 Pair + 1 Cond. 18 AWG	3 Cond. 22 AWG Shielded
Red	Red Red/White		
Green	Green Red/Blue	Yellow/Orange	
Brown	Brown Red/Orange	Green	
Blue	Blue Red/Yellow	3 Cond.18 AWG	Black Red Green
Orange	Orange Black/Red		
Yellow	Yellow Black/White	Red Brown Blue	
Purple	Purple		
Red/Black			
Red/White		1 Pair 18 AWG	3 Cond. 18 AWG Unshielded
		Purple/Gray	
Shielded Pair. Black/Red	Shielded Pair: Black/Red	1 Unshielded 16 AWG	Black Red Green
		Black	

Color Chart

Chart H

Part No.	Primary Color Code
725306	Black/Red & White under shield with Black/Green outside of shield
725307	Shielded Pair: Black/Red Unshielded Pairs: Black/Green & Black/White
725308	18 AWG: Black/White 22 AWG: Red/Green

Chart I

Cond.No.	Conductor Colors	Cond. No.	Conductor Colors
1	Black	6	Yellow
2	Red	7	Purple
3	Brown	8	Green
4	Blue	9	Red/Black
5	Orange	10	Red/White

Chart J

Pair. No.	Jacket Color	Pair No.	Jacket Color
1	Brown	17	Brown/Blue
2	Red	18	Brown/Violet
3	Orange	19	Brown/Gray
4	Yellow	20	Brown/White
5	Green	21	Red/Orange
6	Blue	22	Red/Yellow
7	Violet	23	Red/Green
8	Gray	24	Red/Blue
9	White	25	Red/Violet
10	Black	26	Red/Gray
11	Tan	27	Red/White
12	Pink	28	Red/Black
13	Brown/Red	29	Orange/Yellow
14	Brown/Orange	30	Orange/Green
15	Brown/Yellow	31	Orange/Blue
16	Brown/Green	32	Orange/Violet

Chart K

Part No.	Color Code
RS9000, RS9001, RS9003, RS9005	Black Red White Green
RS9002, RS9004	Black, White
Part No.	**Jacket Color**
RS9000, RS9001	Blue
RS9002, RS9003	Yellow
RS9004, RS9005	Purple
Part No.	**Color Code**
RS1100, RS1101, RS1103	Black, Red, White, Green
RS1102	Black, White
Part No.	**Jacket Color**
RS1100, RS1101	Blue
RS1102, RS1103	Yellow

CA1000 4 Cond. 16 AWG	Category 5E Pairs
1. Black 2. Red 3. White 4. Green	1. Blue/White Blue 2. Orange/White Orange 3. Green/White Green 4. Brown/White Brown

PREMISE WIRE

CCT manufactures a full line of Premise Cables specifically designed to provide our customers with the ability to not only satisfy the needs of today's high speed infrastructure networks but also to meet the needs of tomorrow's higher band width requirements. All of CCT's Cables are manufactured in accordance to TIA 568 and meet or exceed all requirements of UL, ETL, and CSA standards.

PART NUMBER	DESCRIPTION	COLORS *	P/U
CAT5ENP4100	24AWG solid unshielded 4 twisted pairs Category 5E 100 MHz CMR	Blue, White, Gray	Pull Box
CAT5ENP4	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz CMR	Blue, White, Gray, Red, Black, Green, Yellow,	Pull Box
CAT5ENP4UV	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz CMR Sunlight (UV) resistant	White	Spool in Box
CAT5P4	24AWG solid unshielded 4 twisted pairs Category 5e 100 MHz CMP	Blue, White, Gray	Pull Box
CAT5EP4	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz CMP	Blue, White, Gary	Pull Box
CAT5EDNP4	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz Siamese CM	Blue, Gray	Spool
CAT5ENP4DB	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz Direct Burial w/ poly jacket	Black	Spool
CAT5ENP4WB	24AWG solid unshielded 4 twisted pairs Category 5E 350 MHz Direct Burial w/ poly jacket and Aqua Block tape.	Black	Spool
CAT6NP4	23AWG solid unshielded 4 twisted pairs Category 6 400 MHz w/spline CMR	Blue, Gray, White	Spool in Box
CAT6P4	24AWG solid unshielded 4 twisted pairs Category 6 400 MHz w/ spline CMP	Blue, Gray, White	Spool in Box

* Note: Call your CCT Sales Rep for availability on colors

PREMISE WIRE

CATEGORY 5E Electrical Characteristics

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9

CATEGORY 6 Electrical Characteristics

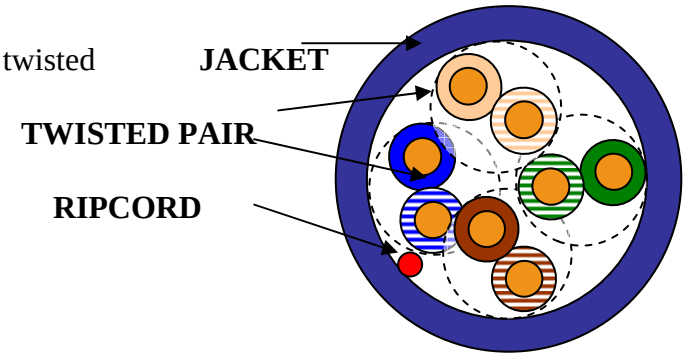
Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.8	30.8
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8

CAT5ENP4100

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable

Construction Details:

No. 24 AWG copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC.



Color Code:

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

Codes and Listings:

Nec Article 800
Type CMR
ETL Electrically Verified to ANSI/TIA/EIA 568B.2 Category 5e

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension:	25 lb
Minimum bending radius:	1.0 inch
Nominal cable weight:	20 lb/1000 feet
Nominal cable diameter:	0.185 inch

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	70%

Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	3%
Max. Delay Skew:	18 ns/100m
Characteristic Impedance:	
from 0.772 – 100 MHz	100 ± 15%

CAT5ENP4100

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable

Electrical Characteristics:

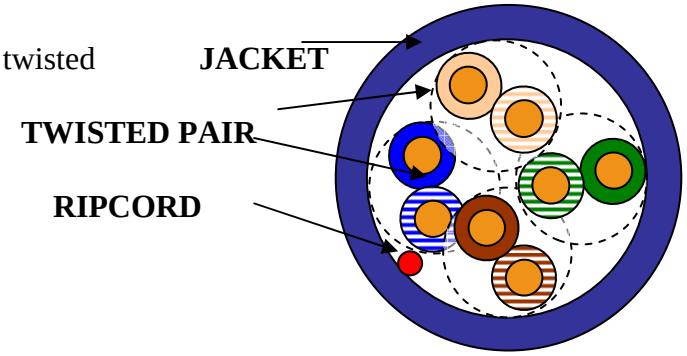
Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8

CAT5ENP4

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable
Extended Testing to 350 MHz

Construction Details:

No. 24 AWG copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC.



Color Code:

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

Codes and Listings:

Nec Article 800
Type CMR
ETL Electrically Verified to ANSI/TIA/EIA 568B.2 Category 5e

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension: 25 lb
Minimum bending radius: 1.0 inch
Nominal cable weight: 20 lb/1000 feet
Nominal cable diameter: 0.185 inch

Electrical Parameters:

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 70%

Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 3%
Max. Delay Skew: 15.0ns/100m
Max. Propagation Delay Skew: 5.7 ns/100m
Characteristic Impedance:
from 0.772 – 100 MHz 100 ± 15%
from 100 MHz – 200 MHz 100 ± 22%
from 200 MHz – 350 MHz 100 ± 32%

CAT5ENP4

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable
Extended Testing to 350 MHz

Electrical Characteristics:

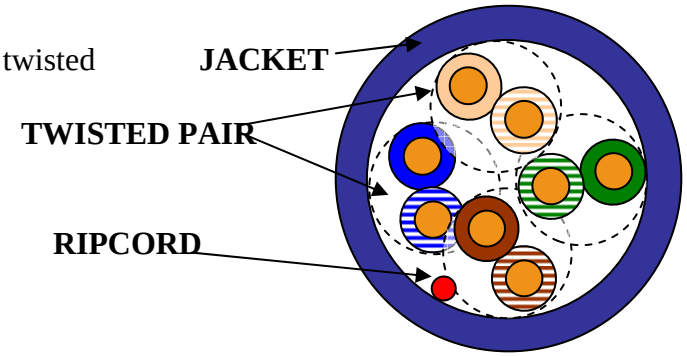
Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9

CAT5ENP4UV

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable
With UV Inhibitor

Construction Details:

No. 24 AWG copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC with a UV inhibitor for added Sunlight Resistance..



Color Code:

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

Codes and Listings:

Nec Article 800
Type CMR
ETL Electrically Verified to ANSI/TIA/EIA 568B.2 Category 5e

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension: 25 lb
Minimum bending radius: 1.0 inch
Nominal cable weight: 20 lb/1000 feet
Nominal cable diameter: 0.185 inch

Electrical Parameters:

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 70%

Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 3%
Max. Delay Skew: 15.0ns/100m
Max. Propagation Delay Skew: 5.7 ns/100m
Characteristic Impedance:
from 0.772 – 100 MHz 100 ± 15%
from 100 MHz – 200 MHz 100 ± 22%
from 200 MHz – 350 MHz 100 ± 32%

CAT5ENP4UV

Unshielded Four Twisted Pair Non-Plenum Category 5e Horizontal Cable
With UV Inhibitor

Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9

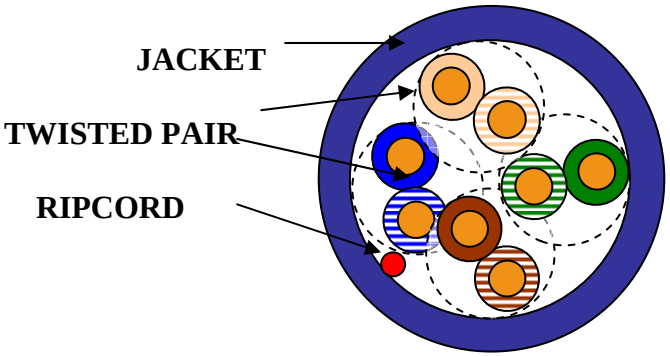
CAT5EP4

Unshielded Four Twisted Pair Plenum Category 5e Horizontal Cable

Extended Testing to 350 MHz

Construction Details:

No. 24 AWG copper conductor insulated with FEP. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC.



Color Code:

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

Codes and Listings:

UL 910: CMP rating FT6
Type CMP
ETL Electrically Verified to ANSI/TIA/EIA 568B.2 Category 5e
C(ETL)US CMP

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension: 25 lb
Minimum bending radius: 1.0 inch
Nominal cable weight: 22 lb/1000 feet
Nominal cable diameter: 0.185 inch

Electrical Parameters:

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 72%

Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 3%
Max. Delay Skew: 15.0ns/100m
Max. Propagation Delay Skew: 5.7 ns/100m
Characteristic Impedance:
from 0.772 – 100 MHz 100 ± 15%
from 100 MHz – 200 MHz 100 ± 22%
from 200 MHz – 350 MHz 100 ± 32%

CAT5EP4

Unshielded Four Twisted Pair Plenum Category 5e Horizontal Cable

Extended Testing to 350 MHz

Electrical Characteristics:

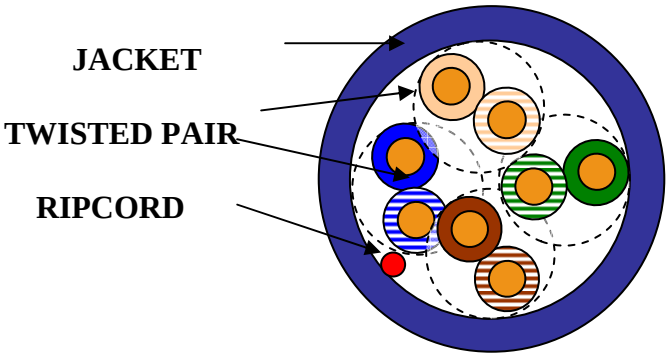
Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9

CAT5P4

Unshielded Four Twisted Pair Plenum Rated Category 5e Horizontal Cable

Construction Details:

No. 24 AWG copper conductor insulated with FEP. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC.



Color Code:

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T.

Codes and Listings:

UL 910: CMP rating FT6
Type CMP
ETL Electrically Verified to ANSI/TIA/EIA 568B.2.1 Category 5e
C(ETL)US CMP

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension:	25 lb
Minimum bending radius:	1.0 inch
Nominal cable weight:	22 lb/1000 feet
Nominal cable diameter:	0.185 inch

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	72%

Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	3%
Max. Delay Skew:	18 ns/100m
Characteristic Impedance:	
from 0.772 – 100 MHz	100 ± 15%

CAT5P4

Unshielded Four Twisted Pair Plenum Rated Category 5e Horizontal Cable

Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8

CAT5EDNP4

Unshielded Four Twisted Pair Siamese Non-Plenum Category 5e Horizontal Cable
Extended Testing to 350 MHz

Construction Details:

No. 24 AWG copper conductor insulated with polyolefin. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a single core. Two cores are pulled in parallel and are jacketed in a Siamese construction with a flame retardant PVC.

Color Code: (for 1st and 2nd leg)

Pair	Primary 1	Primary 2
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Standards:

ANSI/TIA/EIA 568B.2 Category 5e
ISO/IEC 11801 Category 5e
National Electric Code – Article 800

Applications:

Analog/digital voice, Data rates up to 100Mbps
Surrpots Star, Ring and Bus topologies
AT&T 1 Mbps/ 10 Mbps, IBM 4 Mbps Token Ring
550 MHz Broadband Video, ATM at 622 Mbps
As well as DEC 10 Mbps Ethernet.

Codes and Listings:

Nec Article 800
Type CMR
ETL Electrically Verified to ANSI/TIA/EIA 568B.2 Category 5e

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Nominal Jacket thickness:	0.018 in
Nominal Jacket OD:	Minor OD: 0.190 in.
	Major OD: 0.400 in.

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. Delay Skew	3%
Characteristic Impedance:	
from 0.772 – 100 MHz	100 ± 15%
from 100 MHz – 200 MHz	100 ± 22%
from 200 MHz – 350 MHz	100 ± 32%

CAT5EDNP4

Unshielded Four Twisted Pair Siamese Non-Plenum Category 5e Horizontal Cable

Extended Testing to 350 MHz

Electrical Characteristics:

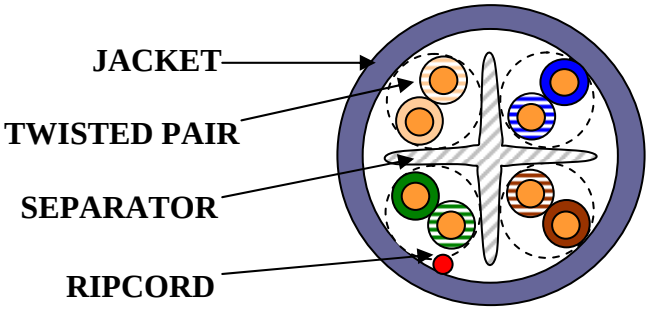
Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	38.3	23.8	20.8
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9

CAT6NP4

Unshielded Four Twisted Pair
Category 6 Horizontal Cable

Construction Details:

No. 23 AWG copper conductor insulated with polyethylene. Two color mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is jacketed with a flame retardant PVC.



Color Code:

Pair	Color Code
1	Blue with White/Blue
2	Orange with White/Orange
3	Green with White/Green
4	Brown with White/Brown

Standards:

ANSI/TIA/EIA 568B.2.1 Category 6
National Electric Code – Article 800

Applications:

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

Codes and Listings:

UL 1666: CMR rating
ETL Electrically Verified to ANSI/TIA/EIA 568B.2.1 Category 6
C(ETL)US

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension:	25 lbf
Minimum bending radius:	1.0 inch
Nominal cable weight:	34 lb/1000 feet
Nominal cable diameter:	0.240 inch

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	70%

Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	3%
Max. Delay Skew:	18 ns/100m
Characteristic Impedance:	
from 0.772 – 100 MHz	100 ± 15%
from 100 MHz – 250 MHz	100 ± 22%

CAT6NP4

Unshielded Four Twisted Pair
Category 6 Horizontal Cable

Electrical Characteristics:

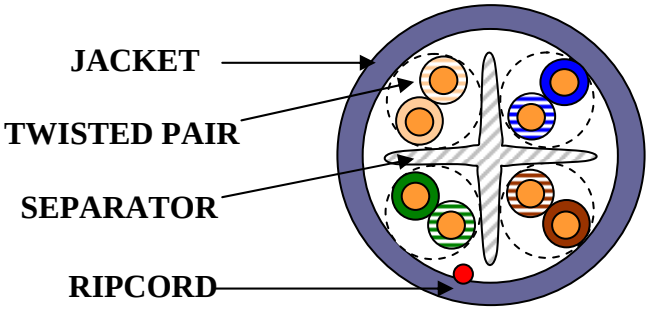
Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.8	30.8
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8

CAT6P4

Unshielded Four Twisted Pair Plenum
Category 6 Horizontal Cable

Construction Details:

No. 23 AWG copper conductor insulated with FEP. Two color mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is jacketed with a low smoke PVC.



Color Code:

Pair	Color Code
1	Blue with White/Blue
2	Orange with White/Orange
3	Green with White/Green
4	Brown with White/Brown

Standards:

ANSI/TIA/EIA 568B.2.1 Category 6
National Electric Code – Article 800

Applications:

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

Codes and Listings:

UL 910: CMP rating
ETL Electrically Verified to ANSI/TIA/EIA 568B.2.1 Category 6
C(ETL)US

Environmental Characteristics:

Temperature Rating:
- Installation: 0°C to 50°C
- Operation: -10°C to 60°C

Maximum installing tension:	25 lbf
Minimum bending radius:	1.0 inch
Nominal cable weight:	30 lb/1000 feet
Nominal cable diameter:	0.230 inch

Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/ft maximum
Velocity of Propagation:	72%

Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	3%
Max. Delay Skew:	18 ns/100m
Characteristic Impedance:	
from 0.772 – 100 MHz	100 ± 15%
from 100 MHz – 250 MHz	100 ± 22%

ACCESS ONE CABLES

PVC (CMR) - P/N 1527

PLENUM (CMP) - P/N 725116

*CCT's **ACCESS ONE** cable is an All-In One design with all of today's technologies built in. This design offers individual cable markings so that the application corresponds to the individual jacket's surface print. Foot markers allow for cable consumption and balance remaining. Alphanumeric markings simplify the installation's cable mapping. Custom jacketing material on all jackets and rip cords have been included in this design for "EZ" strip installation. Available in both PVC and Plenum versions, our ACCESS ONE cable makes for easy installation in both residential and commercial environments.*

OVERALL CABLE CONSTRUCTION	
Jacket Color	Yellow
Jacket Material	PVC or Plenum Polymer
Jacket Thickness	PVC - .025 inches Nom Plenum - .015 inches Nom
Overall Cable Diameter	PVC - .445 inches Nom Plenum - .425inches Nom
Approximate Cable Weight	PVC - 122 Lbs / !,000 ft Nom Plenum - 118 Lbs / 1,000 ft Nom

COMPONENTS	APPLICATION - DESCRIPTION	CABLE O.D.	JACKET COLOR
	**POWER LOCK** 18AWG 4C Stranded Unshielded	.179 Nominal	White with Purple stripe
	**CARD READER** 22AWG 3 Pairs Stranded Shielded	.197 Nominal	White with Yellow stripe
	**DOOR CONTACT** 22AWG 2C Stranded Unshielded	.122 Nominal	White with Green stripe
	**REX SPARE** 22AWG 4C Stranded Unshielded	.140 Nominal	White with Red stripe

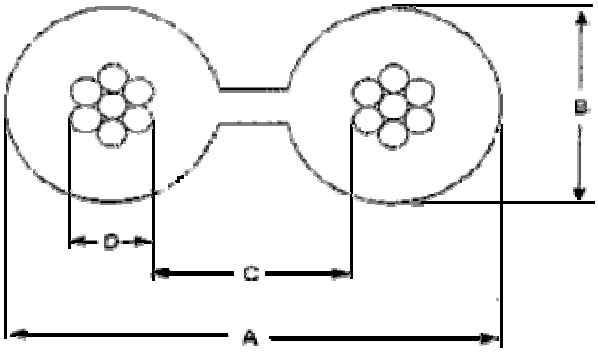
ACCESS ONE CABLES

PRINT LEGENDS

1527— PVC	
Outer Jacket	ACCESS CONTROL CABLE CMR 4/18AWG 12/22AWG C(ETL)US" + Footage Marker
Power Lock Component	POWER LOCK CMR 4/18AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
Card Reader Component	CARD READER CMR 3P/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
Door Contact Component	DOOR CONTACT CMR 2/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
REX/Spare Component	REX/SPARE CMR 4/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9

725116 — PLENUM	
Outer Jacket	ACCESS CONTROL CABLE CMP 4/18AWG 12/22AWG C(ETL)US + Footage Marker
Power Lock Component	POWER LOCK CMP 4/18AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
Card Reader Component	CARD READER CMP 3P/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
Door Contact Component	DOOR CONTACT CMP 2/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9
REX/Spare Component	REX/SPARE CMP 4/22AWG C(ETL)US A B C D E 0 1 2 3 4 5 6 7 8 9

TELEPHONE FIELD WIRE



*CCT's **WD** cable is used for temporary communications in commercial as well as government applications. Constructed to the government Mil Spec standards with a mix of steel and copper strands this rugged cable can be used in applications that demand high tensile strength, superior electrical's and UV resistance.*

WD-1A/TT	**NSN**
MIL-SPEC	6145-00-220-9933
49104	6145-00-226-8812
Latest Revision	

CONSTRUCTION

This specification covers stranded conductors, polyethylene insulated, parallel lay field telephone cable. Each conductor consist of 7 strands: 4 copper and 3 steel.

Conductors

Each conductor shall be composed of 4 coated coppers strands and 3 coated steel strands**.**

Insulation:

Black high density polyethylene or copolymer, Type III, Class H, Grade1, in accordance with L-P-390, except that the carbon black content shall be no greater than 2.5%**.**

Finished Cable Characteristics:

A: Major Axis .	135 +/- .005 inch
B: Minor Axis	.070 +/- .003 inch
C: Conductor Separation	.033 +/- .003 inch (Between inside and surface of the conductor)
D: Conductor Diameter	.033 +/- .003 inch

New York City (LL5)
Fire Alarm Cables

CCT manufactures a full line of fire alarm cables specifically designed to meet the local code requirements of New York City. CCT LL5 Cables will provide you with the design approvals required for Local Law 5 cables installations in New York City.

PART NUMBER	DESCRIPTION	COLOR	P/U
NY4058	16AWG 1pr solid unshielded FPLP	Red	Spool
NY4010	16AWG 2pr solid unshielded FPLP	Red	Spool
NY4059	14AWG 1pr solid unshielded FPLP	Red	Spool
NY4011	14AWG 2pr solid unshielded FPLP	Red	Spool
NY4060	12AWG 1pr solid unshielded FPLP	Red	Spool
NY4018	12AWG 2pr solid unshielded FPLP	Red	Spool
NY4085	16AWG 1pr solid shielded FPLP	Red	Spool
NY4035	16AWG 2pr solid shielded FPLP	Red	Spool
NY4086	14AWG 1pr solid shielded FPLP	Red	Spool
NY4016	14AWG 2pr solid shielded FPLP	Red	Spool
NY4087	12AWG 1pr solid shielded FPLP	Red	Spool
NY4017	12AWG 2pr solid shielded FPLP	Red	Spool

Fire Alarm Cables

CCT manufactures a full line of fire alarm cables. CCT offers constructions in both PVC (FPLR) and Plenum (FPLP) suitable for Fire Alarm, Horns, Smoke Alarm, and Addressable System applications

PVC (FPLR)	Unshielded Cables
4013	22AWG 4C solid unshielded PVC Jacket Listed FPLR
4051	18AWG 2C solid unshielded PVC Jacket Listed FPLR
4002	18AWG 4C solid unshielded PVC Jacket Listed FPLR
4052	16AWG 2C solid unshielded PVC Jacket Listed FPLR
4006	16AWG 4C solid unshielded PVC Jacket Listed FPLR
4053	14AWG 2C solid unshielded PVC Jacket Listed FPLR

Plenum (FPLP)	Unshielded Cables
4057	18AWG 2C solid unshielded Plenum Jacket Listed FPLP
4009	18AWG 4C solid unshielded Plenum Jacket Listed FPLP
4058	16AWG 2C solid unshielded Plenum Jacket Listed FPLP
4010	16AWG 4C solid unshielded Plenum Jacket Listed FPLP
4059	14AWG 2C solid unshielded Plenum Jacket Listed FPLP

PVC (FPLR)	Shielded Cables
4076	18AWG 2C solid shielded PVC Jacket Listed FPLR
4077	16AWG 2C solid shielded PVC Jacket Listed FPLR
4078	14AWG 2C solid shielded PVC Jacket Listed FPLR

Plenum (FPLP)	Shielded Cables
4084	18AWG 2C solid shielded Plenum Jacket Listed FPLP
4034	18AWG 4C solid shielded Plenum Jacket Listed FPLP
4085	16AWG 2C solid shielded Plenum Jacket Listed FPLP
4086	14AWG 2C solid shielded Plenum Jacket Listed FPLP

PRODUCT SPECIFICATION
52FXXX76MEBCXSG

Issued By: Fiberoptic Engineering
Date: May 9, 2006
Issue No.: 6

1.0 SCOPE

This document establishes the specifications for a self supporting central tube design with a polyethylene jacket typically used for fiber to the home or business.

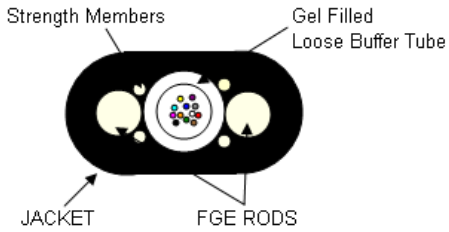
2.0 APPLICABLE DOCUMENTS

Reference Documents:
TIA/EIA FOTP Standards 455
Color Coding of Fiber Optic Cables TIA/EIA-598

3.0 REQUIREMENTS

This document contains test values for all-important mechanical, optical, and environmental parameters and as such, is the basis for all-incoming inspection and acceptance.

4.0 CABLE CROSS SECTION

Cross Section for 2-12 Fibers	Components
	Gel Filled Buffer Tube(s) Strength Elements Epoxy Glass Rods Outer Jacket

5.0 OVERALL CABLE CONSTRUCTION

5.1 Buffer tube
High Modulus Polymeric material.
Dimension: 3.0 mm., nominal.
Tube color: white
Fiber color code: per TIA/EIA-598
Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.

5.2 Cable Core:
The cable core consists of the buffer tube, two fiberglass epoxy rods and fiberglass yarns.

5.3 Cable strength
Solid dielectric epoxy glass rods are pulled in longitudinal on each side of the loose tube.
Dimension: 1.7mm

5.4 Outer Sheath
MD Black Polyethylene (UV Resistant).
A ripcord is applied under outer sheath.

5.5 Cable Markings
Indent printed- CCT 52F SERIES, FIBER OPTIC CABLE, No. of Fibers-SM, CONVERGENT CONECTIVITY TECHNOLOGY, TELEPHONE HANDSET SYMBOL, MM/YY (Month & Year of Manufacture), Sequentially meter marked.

P.O. Box 454, 468 Rte. 17A Florida, New York 10921
866 905-6744 * 845 651-5250
Fax 845 651-3564
Email: techsupport@cctcable.com

5.6 Nominal Cable Dimensions & Weights

CCT Part Number	No. of Fibers	Cable OD (in.)	Cable OD (mm)	Weight LB/MFT	Weight KG/KM
52F00276MEBCBSG	2	.180 x .330	4.6 x 8.4	27	40
52F00476MEBCDSG	4	.180 x .330	4.6 x 8.4	27	40
52F00676MEBCFSG	6	.180 x .330	4.6 x 8.4	27	40
52F00876MEBCHSG	8	.180 x .330	4.6 x 8.4	27	40
52F01276MEBCLSG	12	.180 x .330	4.6 x 8.4	27	40

6.0FIBER CHARACTERISTICS

6.1 Physical Parameters

Fiber Type	Singlemode
Maximum Attenuation @ 1310/1550nm	.40/.30 dB/km
Core Diameter, nominal	8.3 µm
Cladding Diameter	125.0 ± 1.0 µm
Primary Coating Diameter	245 ± 10 µm
Maximum Dispersion Slope	0.092 ps/nm^2-km
Fiber Cutoff Wavelength	1150-1350nm
Cabled Cutoff Wavelength	<1260nm
Mode Field Diameter @ 1310nm	9.2 ± 0.4µm
Mode Field Diameter @ 1550nm	10.5 ± 1.0µm
Cladding Non-circularity	<1%
Core/Clad Offset	<.80 µm
Zero Dispersion Wavelength	1300-1322nm
Numerical Aperture	0.13
Group Refractive Index @ 1310/1550nm	1.467/1.4675
Proof Test	100 kpsi

*According to ITU G.652b

6.0 MECHANICAL & ENVIRONMENTAL PERFORMANCE

Maximum Tensile Load for:
- Installation: 1375N / 310lbf
- Long Term: 445N / 100lbf

Minimum bending radius:
- Loaded: 20 x diameter
- Unloaded: 10 x diameter

Crush Resistance: 220N/cm

Impact Resistance: 25 Impacts (min.)
Flexing, ±90°: 25 Cycles (min.)
Temperature rating:
- Operation, -40°C to +70°C
- Installation, -30°C to +70°C
- Storage, -50°C to +70°C

7.0 PREPARATION FOR DELIVERY

The cable shall be packaged to preclude the inducement of damage, due to handling and transportation, and shall be in accordance with the best commercial practices available.

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PRODUCT SPECIFICATION
52FXXX76MEBCXTG

Issued By: Fiberoptic Engineering
Date: September 11, 2007
Issue No.: 1

1.0 SCOPE

This document establishes the specifications for a central tube design, copper tracer with a polyethylene jacket typically used for fiber to the home or business.

2.0 APPLICABLE DOCUMENTS

Reference Documents:
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Color Coding of Fiber Optic Cables TIA/EIA-598

3.0 REQUIREMENTS

This document contains test values for all-important mechanical, optical, and environmental parameters and as such, is the basis for all-incoming inspection and acceptance.

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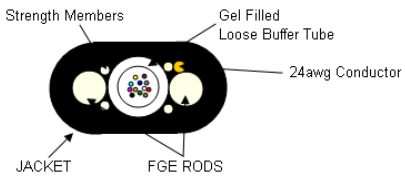
Cross Section for 2-12 Fibers	Components
	Gel Filled Buffer Tube Strength Elements Epoxy Glass Rods Conductor Outer Jacket

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Tube color: white
Fiber color code: per TIA/EIA-598
Filling compound: A non-toxic and dermatological safe antioxidant hydrocarbon based gel.

5.2 Cable Core:
The cable core consists of the buffer tube, two fiberglass epoxy rods and fiberglass yarns.

5.3 Cable strength
Solid dielectric epoxy glass rods are pulled in longitudinal on each side of the loose tube.
Dimension: 1.7mm

5.4 Copper Conductor
24awg stranded bare copper conductor (pulled into the interstices)

5.5 Outer Sheath
MD Black Polyethylene (UV Resistant).
A ripcord is applied under outer sheath.

5.6 Cable Markings
Indent printed- CCT 52F SERIES, FIBER OPTIC CABLE, No. of Fibers-SM, CONVERGENT CONNECTIVITY TECHNOLOGY, TELEPHONE HANDSET SYMBOL, MM/YY (Month & Year of Manufacture), Sequentially meter marked.

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52F00876MEBCHTG	8	.180 x .330	4.6 x 8.4	30	44
52F01276MEBCLTG	12	.180 x .330	4.6 x 8.4	30	44

6.0 FIBER CHARACTERISTICS

6.1 Physical Parameters

Fiber Type	Singlemode*
Maximum Attenuation @ 1310/1550nm	.40/.30 dB/km
Core Diameter, nominal	8.3 µm
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Primary Coating Diameter	245 ± 10 µm
Maximum Dispersion Slope	0.092 ps/nm^2-km
Fiber Cutoff Wavelength	1150-1350nm
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Mode Field Diameter @ 1310nm	9.2 ± 0.4µm
Mode Field Diameter @ 1550nm	10.5 ± 1.0µm
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Numerical Aperture	0.13
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- Installation, -30°C to +70°C
- Storage, -50°C to +70°C

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CAT6P4

Unshielded Four Twisted Pair Plenum
Category 6 Horizontal Cable

Electrical Characteristics:

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB(100m)	dB	dB	dB	dB
MHz	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.8	30.8
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8