Communication Cables

- Category Cable
- Central Office Power Cable
- Coax Cable
- Fiber Cable
- Ground Rods
- Guy Wire

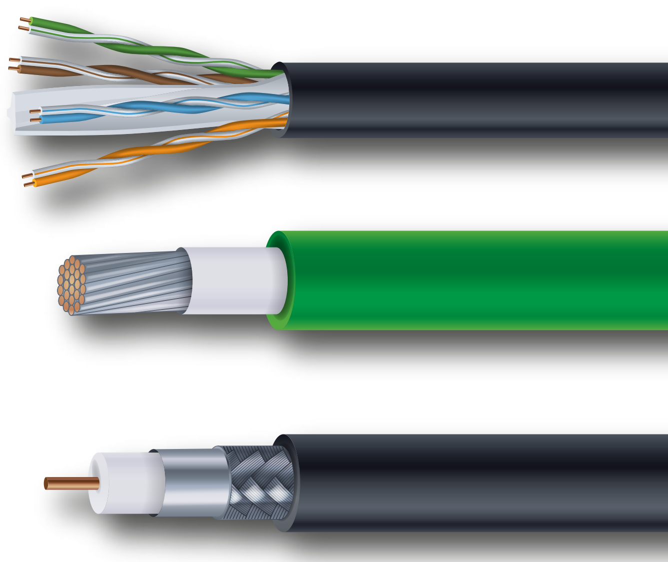


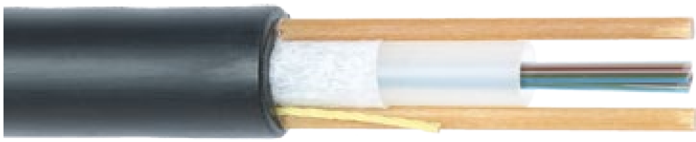
TABLE OF CONTENTS

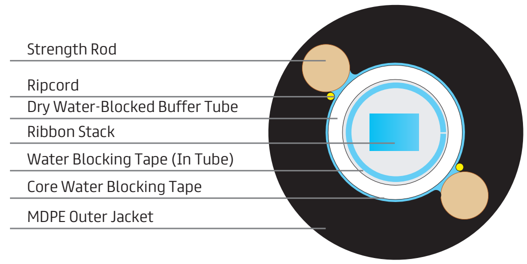
Dry FusionLink™

Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

Prysmian





FEATURES AND BENEFITS

Compact Design, Easily Removable Ribbon Matrix, Precision Ribbon Geometry, Flexible Buffer Tubet, Dry Water-Blocking Technology, All-Dielectric Strength Elements, Available Uncoupled or Coupled Designs.

CABLE STANDARDS

Meets or exceeds the requirements of Telcordia GR-20 & ICEA 640 and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables. RDUP listed (tested in accordance with PE-90). RUS Listed.

Fiber Count Range	Recommended Fiber Count	Recommended Prysmian** Part Number	Fibers / Ribbon	Number of Ribbons	Aerial Coupling Coils Required	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
RCU1JKT													
12 – 48	12	RCU1JKT-12-AA-012-BB	12	1 – 4	Yes	0.24	6.2	0.50	12.7	77	114	38,405	11,706
	24	RCU1JKT-12-AA-024-BB											
	48	RCU1JKT-12-AA-048-BB											
456 – 576*	576	RCU1JKT-24-AA-576-BB	24	24	Yes	0.78	19.8	0.97	24.6	231	345	17,864	5,445
RCD1JKT													
60 – 72	72	RCD1JKT-12-AA-072-BB	12	5 – 6	No	0.35	8.8	0.60	15.3	104	155	38,405	11,706
84 – 96	96	RCD1JKT-12-AA-096-BB	12	7 – 8	No	0.37	9.5	0.63	16.0	108	162	38,405	11,706
108 – 144	144	RCD1JKT-12-AA-144-BB	12	9 – 12	No	0.42	10.6	0.67	17.1	118	176	33,622	10,248
156 – 216	216	RCD1JKT-12-AA-216-BB	12	13 – 18	No	0.48	12.3	0.74	18.8	136	202	27,818	8,479
240 – 288*	288	RCD1JKT-24-AA-288-BB	24	10 – 12	No	0.56	14.3	0.80	20.3	167	247	17,864	5,445
312 – 432*	432	RCD1JKT-24-AA-432-BB	24	13 – 18	No	0.61	15.4	0.79	20.0	172	256	17,864	5,445
612 – 864*	864	RCD1JKT-36-AA-864-E1	36	17 – 24	No	0.78	19.8	0.97	24.6	231	345	10,718	3,267

*** Note:** This design uses 24 fiber ribbons for counts of 240 to 576 fibers and 36 fiber ribbons for 612 to 864 fibers.
Please refer to ribbon in loose tube designs for higher fiber counts using 12 fiber ribbons.
If on reel testing is required for the 612-864 fiber designs, a reel with 60" drum must be specified on the order.

**Where AA equals glass type and BB equals attenuation code

VIEW ENTIRE SPEC SHEET

PERFORMANCE SPECIFICATIONS

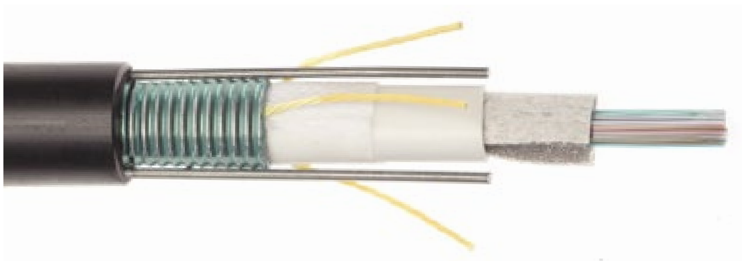
Bend Radius		
Dynamic	20 x Cable OD	
Static (Single Bend)	10 x Cable OD	
Static (Cable Coil)	15 x Cable OD	
Tensile Rating	**N**	**lbf**
Installation	2,700	600
Residual	800	180

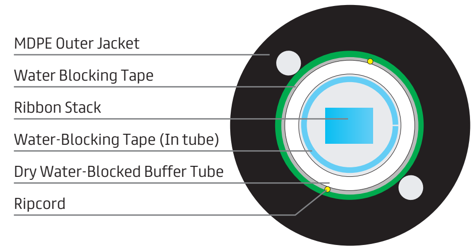
Crush Resistance	N/cm	lbf/in
Short/ long Term	220/110	125/63
Temperature Ratings	**°C**	**°F**
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

Dry FusionLink™ Armored
Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

Prysmian





FEATURES AND BENEFITS

Compact Design, Easily Removable Ribbon Matrix, Precision Ribbon Geometry, Flexible Buffer Tubet, Dry Water-Blocking Technology, ezPrep® Corrugated Steel Armor, Available Uncoupled or Coupled Designs.

CABLE STANDARDS

Meets or exceeds the requirements of Telcordia GR-20 & ICEA 640 and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables. Tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables. Complies with RUS PE-90. RUS Listed.

Fiber Count Range	Recommended Fiber Count	Recommended Prysmian** Part Number	Fibers / Ribbon	Number of Ribbons	Aerial Coupling Coils Required	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
RCU1A1J													
12 – 48	12	RCU1A1J-12-AA-012-BB	12	1 – 4	Yes	0.24	6.2	0.50	12.5	102	152	36,693	11,187
	24	RCU1A1J-12-AA-024-BB											
	48	RCU1A1J-12-AA-048-BB											
456 – 576*	576	RCU1A1J-24-AA-576-BB	24	24	Yes	0.78	19.8	1.09	27.8	358	533	16,275	4,960
RCD1A1J													
60 – 72	72	RCD1A1J-12-AA-072-BB	12	5 – 6	No	0.35	8.8	0.64	16.3	151	224	36,693	11,187
84 – 96	96	RCD1A1J-12-AA-096-BB	12	7 – 8	No	0.37	9.5	0.67	17.0	157	233	33,111	10,095
108 – 144	144	RCD1A1J-12-AA-144-BB	12	9 – 12	No	0.42	10.6	0.71	18.1	173	258	29,126	8,880
156 – 216	216	RCD1A1J-12-AA-216-BB	12	13 – 18	No	0.48	12.3	0.78	19.8	192	285	24,862	7,580
240 – 288*	288	RCD1A1J-24-AA-288-BB	24	10 – 12	No	0.56	14.3	0.84	21.4	245	364	17,864	5,445
312 – 432*	432	RCD1A1J-24-AA-432-BB	24	13 – 18	No	0.61	15.4	0.90	22.5	262	391	17,864	5,445
612 – 864*	864	RCD1A1J-36-AA-864-E1	36	17 – 24	No	0.78	19.8	1.09	27.8	358	533	10,718	3,267

*** Note:** This design uses 24 fiber ribbons for counts of 240 to 576 fibers and 36 fiber ribbons for 612 to 864 fibers.
Please refer to ribbon in loose tube designs for higher fiber counts using 12 fiber ribbons.
If on reel testing is required for the 612-864 fiber designs, a reel with 60" drum must be specified on the order.

**Where AA equals glass type and BB equals attenuation code

VIEW ENTIRE SPEC SHEET

PERFORMANCE SPECIFICATIONS

Bend Radius		
Dynamic	20 x Cable OD	
Static (Single Bend)	10 x Cable OD	
Static (Cable Coil)	15 x Cable OD	
Tensile Rating	**N**	**lbf**
Installation	2,700	600
Residual	800	180

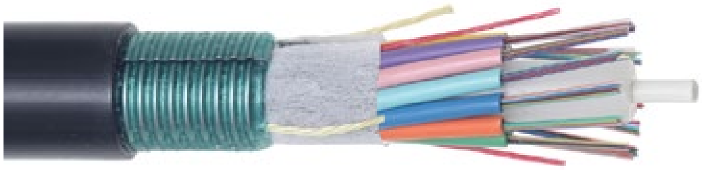
Crush Resistance	N/cm	lbf/in
Short/ long Term	220/110	125/63
Temperature Ratings	**°C**	**°F**
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

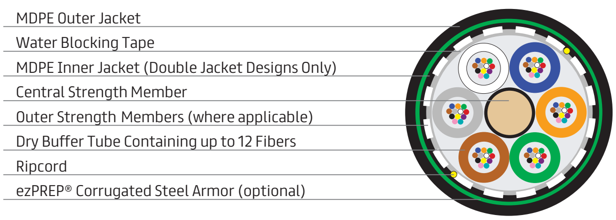
ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

PRIORITY WIRE & CABLE, INC.

Prysmian





OVERVIEW

Prysmian's popular ExpressLT™ cable combines buffer tubes with enhanced flexibility, a completely dry water-blocking system, and optional ezPREP® armor. The buffer tubes are also rated for mid-span storage applications. This combination of features makes ExpressLT™ an ideal solution for applications requiring frequent sheath access and express tube storage.

SPECIFICATIONS / RATINGS

Applications	Multi-purpose outdoor, aerial lashed, duct, direct buried (when armored)
Constructions	Dielectric, armored, double armored, dual jacket
Fiber Count	4 to 432 fibers in color-coded buffer tubes
Fiber Types	Single-mode, multimode, bend-insensitive SM, NZDS
Options	Steel central member, 24 AWG copper pair, 16 AWG tonewire, striped jacket, factory-installed pulling eye
Similar Alternatives	Gel buffer tubes / LT 2.0 / heavy duty / central / indoor-outdoor / indoor / self-support / microduct
Standards	Tested in accordance with TIA 455 series FOTPs for fiber optic cables. Complies with ICEA 640, RUS 7 CFR 1755 (PE90 listed), Telcordia GR-20, and IEC 60794-3-11
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

RUS LISTED

FEATURES AND BENEFITS

Easy Cable Entry and Preparation

- Dry water-blocked core speeds cable access
- Dry water-blocked tubes reduce prep time by an average of 15 minutes per cable end
- Available with ezPREP® armor to allow easy access to the core in mid-sheath entries
- Reverse oscillating stranded core facilitates mid-span access of fibers. Tubes can easily be removed from the core
- Ripcord speeds cable entry & outer jacket removal

Available with ezPREP® Armor

- The jacket can be easily separated from the armor without a heat gun or torch
- Armored cable access, bonding and grounding are faster, easier and safer

Flexible Routing and Termination

- Buffer tubes can be stored in FTTx pedestals, closures and cabinets in lengths up to 20'
- 2.5 mm buffer tubes with enhanced flexibility simplify routing & splice preparation

Multi-Purpose Design

- Suitable for aerial lashed, duct, and direct buried installation (when armored)
- Small diameter and light weight, extends reel and installation lengths
- Optional ezPREP® corrugated steel tape armor provides mechanical protection and rodent resistance

VIEW ENTIRE SPEC SHEET

ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

PRIORITY WIRE & CABLE, INC.

Prysmian

Dielectric (Non-Armored) (EDH1JKT)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius | Load		Bend Radius | No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 60	6	EDH1JKT-12-AA-006-BB	XX0064M1A-DT	5	0.40	10.1	43	64	8	20	4	10	59,054	18,000
	12	EDH1JKT-12-AA-012-BB	XX0124M1A-DT											
	24	EDH1JKT-12-AA-024-BB	XX0244M1A-DT											
	36	EDH1 JKT-12-AA-036-BB	XX0364M1A-DT											
	48	EDH1JKT-12-AA-048-BB	XX0484M1A-DT											
72	72	EDH1JKT-12-AA-072-BB	XX0724M1A-DT	6	0.43	10.9	50	75	8	22	4	11	59,054	18,000
84 to 96	96	EDH1JKT-12-AA-096-BB	XX0964M1A-DT	8	0.47	12.0	65	97	10	25	5	13	59,054	18,000
108 to 120	120	EDH1JKT-12-AA-120-BB	XX1204M1A-DT	10	0.54	13.7	81	121	11	28	6	14	59,054	18,000
132 to 144	144	EDH1JKT-12-AA-144-BB	XX1444M1A-DT	12	0.61	15.5	105	156	13	32	6	16	48,528	14,792
156 to 216	216	EDH1JKT-12-AA-216-BB	XX2164M1A-DT	18	0.61	15.5	105	156	13	32	6	16	48,528	14,792
228 to 264	264	EDH1JKT-12-AA-264-BB	XX2644M1A-DT	22	0.68	17.3	128	190	14	35	7	17	41,010	12,500
276 to 288	288	EDH1JKT-12-AA-288-BB	XX2884M1A-DT	24	0.71	18.1	145	216	14	37	7	18	39,820	12,139
290 to 432	432	EDH1JKT-12-AA-432-BB	XX4324M1A-DT	36	0.81	20.6	154	229	16	41	8	21	31,095	9,479

Single Jacket Armored (SP) (EDH1A1J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius | Load		Bend Radius | No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 60	6	EDH1A1J-12-AA-006-BB	XX0064M1F-DT	5	0.46	11.8	89	132	9	24	5	12	59,054	18,000
	12	EDH1A1J-12-AA-012-BB	XX0124M1F-DT											
	24	EDH1A1J-12-AA-024-BB	XX0244M1F-DT											
	36	EDH1A1J-12-AA-036-BB	XX0364M1F-DT											
	48	EDH1A1J-12-AA-048-BB	XX0484M1F-DT											
72	72	EDH1A1J-12-AA-072-BB	XX0724M1F-DT	6	0.50	12.6	97	145	10	25	5	13	59,054	18,000
84 to 96	96	EDH1A1J-12-AA-096-BB	XX0964M1F-DT	8	0.56	14.3	125	186	11	29	6	14	59,054	18,000
108 to 120	120	EDH1A1J-12-AA-120-BB	XX1204M1F-DT	10	0.63	15.9	148	220	12	32	6	16	48,528	14,792
132 to 144	144	EDH1A1J-12-AA-144-BB	XX1444M1F-DT	12	0.69	17.6	176	262	14	35	7	18	41,010	12,500
156 to 216	216	EDH1A1J-12-AA-216-BB	XX2164M1F-DT	18	0.70	17.9	176	262	14	36	7	18	41,010	12,500
228 to 264	264	EDH1A1J-12-AA-264-BB	XX2644M1F-DT	22	0.76	19.4	196	291	15	39	8	19	35,306	10,762
276 to 288	288	EDH1A1J-12-AA-288-BB	XX2884M1F-DT	24	0.81	20.7	214	319	16	42	8	21	29,386	8,958
290 to 432	432	EDH1A1J-12-AA-432-BB	XX4324M1F-DT	36	0.90	23.0	230	342	18	46	9	23	24,054	7,332

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Installation

Maximum installation load: 600 lbf (2700 N)
Maximum operation load: 180 lbf (800 N)

Temperature Range

Shipping and Storage: -40° F to +167° F (-40° C to +75° C)
Installation: -22° F to +140° F (-30° C to +60° C)
Operation: -40° F to +158° F (-40° C to +70° C)

Mechanical Performance (per ICEA 640 and Telcordia GR20)

Minimum installation bend radius: 20 times the cable diameter
Minimum operating bend radius: 10 times the cable diameter
Short Term Compression: 220 N/cm over 10 cm (125 lb/in over 4 inches)
Long Term Compression: 110 N/cm over 10 cm (62.5 lb/in over 4 inches)
Impact Load: 4.4 Nm

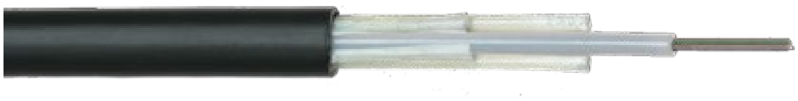
VIEW ENTIRE SPEC SHEET

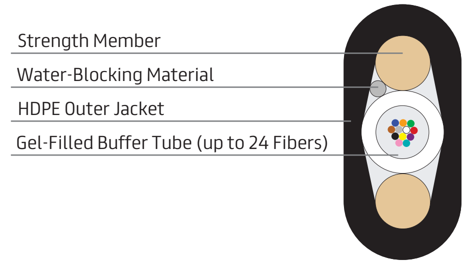
ResiLink™ ADF | Flat Drop Dielectric

All-dielectric flat drop cable (1 to 24 Fibers)

PRIORITY WIRE & CABLE, INC.

Prysmian





FEATURES AND BENEFITS

Easy Access & Versatile Design, All-Dielectric Messengers, Dry Water-Blocking Technology, Dual Strength Member Design, High Density Polyethylene Jacket, Sheath Markings.

CABLE STANDARDS

Complies with Telcordia GR-20 & ICEA 717.

Prysmian Part Number*	General Cable Part Number**	Fiber Count
DFD1JKT-12-AA-001-BB	XX0014U1A	1
DFD1JKT-12-AA-002-BB	XX0024U1A	2
DFD1JKT-12-AA-004-BB	XX0044U1A	4
DFD1JKT-12-AA-006-BB	XX0064U1A	6
DFD1JKT-12-AA-012-BB	XX0124U1A	12
DFD1JKT-24-AA-024-BB	XX0244U1A	24

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Package Options

Package	Dimensions H x W x D		Capacity		Ship Weight	
	inches	cm	feet	m	lbs	kg
18" Plywood Reel	18 x 15 x 8	46 x 38 x 20	2600	800	74	33.6
29.5" Plywood Reel	29.5 x 18 x 12	76 x 46 x 30	8000	2450	249	113

*Note: This reel is not rated for long term outdoor storage. This cable is also available in longer lengths on standard OSP reels

PERFORMANCE SPECIFICATIONS

Bend Radius	mm	inches
Dynamic	150	5.9
Static	100	3.9
Tensile Rating	**N**	**lbf**
Installation Load	1336	300
Temperature Ratings	**°C**	**°F**
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

Installation SAG	Maximum Span Distance		
	NESC Heavy ft (m)	NESC Medium ft (m)	NESC Light ft (m)
1%	150 (45)	260 (79)	330 (100)
1.5%	160 (49)	280 (85)	370 (112)
3%	185 (56)	330 (100)	450 (137)

Dimensions and Weights

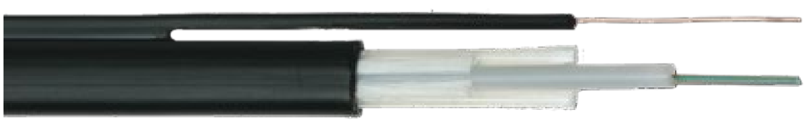
Buffer Tube OD	3.0 mm (0.12 in)
Cable Thickness	4.3 mm (0.17 in)
Cable Width	8.3 mm (0.33 in)
Cable Weight	34 kg/km (23 lbs/kft)
Max Cable Length	10,000 m (32,808 ft)

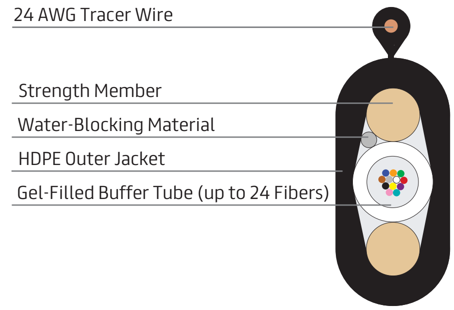
VIEW ENTIRE SPEC SHEET

ResiLink™ TF | Flat Drop Toneable

Toneable flat drop cable (1 to 24 Fibers)

Prysmian





FEATURES AND BENEFITS

EasyAccess&VersatileDesign, All-Dielectric Messengers, Dry Water-Blocking Technology, Dual Strength Member Design, High Density Polyethylene Jacket, Sheath Markings.

CABLE STANDARDS

Complies with Telcordia GR-20 & ICEA 717.

Prysmian Part Number*	General Cable Part Number**	Fiber Count
DFDNATJ-12-AA-001-BB	XX00164U1A.TF	1
DFDNATJ-12-AA-002-BB	XX0024U1A.TF	2
DFDNATJ-12-AA-004-BB	XX0044U1A.TF	4
DFDNATJ-12-AA-006-BB	XX0064U1A.TF	6
DFDNATJ-12-AA-012-BB	XX0124U1A.TF	12
DFDNATJ-24-AA-024-BB	XX0244U1A.TF	24

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Package Options

Package	Dimensions H x W x D		Capacity		Ship Weight	
	inches	cm	feet	m	lbs	kg
18" Plywood Reel	18 x 15 x 8	46 x 38 x 20	1800	550	55	24.9
29.5" Plywood Reel	29.5 x 18 x 12	76 x 46 x 30	8000	2450	243	110.2

*Note: This reel is not rated for long term outdoor storage. This cable is also available in longer lengths on standard OSP reels

PERFORMANCE SPECIFICATIONS

Bend Radius	mm	inches
Dynamic	150	5.9
Static	100	3.9
Tensile Rating	**N**	**lbf**
Installation Load	1336	300
Temperature Ratings	**°C**	**°F**
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

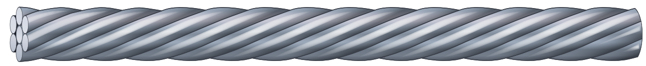
Installation SAG	Maximum Span Distance		
	NESC Heavy ft (m)	NESC Medium ft (m)	NESC Light ft (m)
1%	150 (45)	260 (79)	330 (100)
1.5%	160 (49)	280 (85)	370 (112)
3%	185 (56)	330 (100)	450 (137)

Dimensions and Weights

Buffer Tube OD	3.0 mm (0.12 in)
Cable Thickness	4.3 mm (0.17 in)
Cable Width	10.5 mm (0.41 in)
Cable Weight	39 kg/km (26 lbs/kft)
Max Cable Length	10,000 m (32,808 ft)

VIEW ENTIRE SPEC SHEET

Galvanized Steel Guy Strand



APPLICATION:

Guy wire is used to add stability to a free-standing structure or tower.

STANDARDS:

- Manufactured and inspected per ASTM A475 and BS-183
- RUS Approved

PACKAGING:

- 250’ and 500’ Coils with 18” ID
- 2,500’ and 5,000’ Reels
- Bulk cut to length

Part Number*	CONSTRUCTION				MINIMUM BREAKING STRENGTH				COATING	
	Strand Diameter	Coated Diameter	No. of Strands	Approx. Weight	Utilities Grade	Siemens-Martin Grade	High Strength Grade	Extra High Strength Grade	Zinc Coating	Min. Coating Weight Class A
	inches	inches		lbs/kft	lbs	lbs	lbs	lbs		oz/sq.ft.
1/4-7STR	1/4	0.080	7	121	-	3,150	4,750	6,650	100%	0.60
5/16-7STR	5/16	0.104	7	205	-	5,350	8,000	11,200	100%	0.80
3/8-7STR	3/8	0.120	7	273	11,500	6,950	10,800	15,400	100%	0.85
7/16-7STR	7/16	0.145	7	399	18,000	9,350	14,500	20,800	100%	0.90
1/2-7STR	1/2	0.165	7	517	25,000	12,100	18,800	26,900	100%	0.90
9/16-7STR	9/16	0.188	7	671	-	15,700	24,500	35,000	100%	1.00

All values are nominal and subject to correction.
**Root part number is listed. Let us know at time of order entry which strength you need and we will complete the part number.*

1-800-945-5542
www.PriorityWire.com

Category 5E PVC
Data Communication Cable

APPLICATION:

Category 5E PVC Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. The cable is suitable for use up to 350MHz and is rated CMR. Note CM rated cable is available upon request.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- High density polyethylene (HDPE)

CABLING:

- 4 twisted pairs cabled together, each pair with different lays to minimize cross-talk interferences

JACKET:

- Polyvinyl chloride (PVC)

STANDARDS:

- UL Listed or ETL verified
- Type CMR. Per NEC Article 800
- 1000Mbps
- TPDDI 155
- ATM IEE 802.3
- IEE 802.5 ISD Voice
- TIA / EIA-568
- ISO/IEC-11801

CAT5E (UTP) CMR 24 AWG 4 Pairs					
Part Number	Nominal Overall Diameter	Approx. Weight	Mutual Capacitance	DC Resistance Max	Nominal Velocity of Propagation
	inches	lbs/kft	Nf/100m	Ω/100m	%
TEL24-4PC5E350PVC	0.187	22	4.4	9.38	72

Performance						
Frequency	ACR, min.	Characteristic Impedance	SRL	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m	dB/100m
1.0	66	100 ± 15%	23.0	2.0	68	63
4.0	55	100 ± 15%	23.0	4.1	59	54
10.0	47	100 ± 15%	23.0	6.5	53	47
16.0	42	100 ± 15%	23.0	8.2	50	45
20.0	40	100 ± 15%	23.0	9.3	48	43
31.3	35	100 ± 15%	21.9	11.7	45	40
62.5	25	100 ± 15%	20.2	17.0	41	36
100.0	18	100 ± 15%	19.1	22.0	38	33
155.0	10	100 ± 15%	18.0	28.1	35	30
200.0	-	100 ± 15%	17.4	32.4	33	27
300.0	-	100 ± 15%	16.4	41.0	31	26
500.0	-	100 ± 15%	16.0	44.9	30	25

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

Category 5E Shielded PVC
Data Communication Cable

APPLICATION:

Category 5E PVC Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. The cable is suitable for use up to 350MHz and is rated CMR.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- High density polyethylene (HDPE)

CABLING:

- 4 twisted pairs cabled together, each pair with different lays to minimize cross-talk interferences

SHIELD:

- Aluminum polyester backed shielding tape with a tinned copper drain wire

JACKET:

- Polyvinyl chloride (PVC)

STANDARDS:

- UL listed or ETL verified Type CMR
- NEC Article 800
- 1000Mbps
- TPDDI 155
- ATM IEEE 802.3
- IEEE 802.5 ISD Voice
- TIA/EIA-568
- ISO/IEC-11801

CAT5E (UTP) CMX CMR 24AWG 4 Pairs				
Part Number	Min Average Thickness		Nominal Overall Diameter	Approx. Weight
	Diameter	Diameter		
	inches	inches	inches	lbs/kft
TEL24-4PC5PVCSH-POB	0.009	0.025	0.24	34

Performance						
Frequency	ACR, min.	Characteristic Impedance	SRL	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m	dB/100m
1.0	65	100 ± 15%	20.0	2.0	65	62
4.0	63	100 ± 15%	23.0	4.1	56	53
8.0	52	100 ± 15%	24.5	5.8	52	49
10.0	46	100 ± 15%	25.0	6.5	50	47
16.0	44	100 ± 15%	25.0	8.3	47	44
20.0	37	100 ± 15%	25.0	9.3	46	43
25.0	34	100 ± 15%	24.3	10.4	44	41
31.3	31	100 ± 15%	23.6	11.7	43	40
62.5	21	100 ± 15%	21.5	17.0	38	28
100.0	13	100 ± 15%	20.1	22.0	35	24

All values are nominal and subject to correction

CATEGORY CABLE

Category 5E Direct Burial Shielded

Data Communication Cable

APPLICATION:

Category 5E Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. The cable is suitable for use up to 350MHz. Rated for Direct Burial.

CONDUCTORS:

- Solid bare copper

INSULATION:

- High density polyethylene (HDPE)

CABLING:

- 4 twisted pairs cabled together, each pair with different lays to minimize cross-talk interferences

SHIELD:

- Aluminum foil with a tinned copper drain wire

JACKET:

- LDPE

STANDARDS:

- NEMA WC63.1
- ANSI/ICEA S-90-661
- TIA/EIA-568
- ISO/IEC-11801

CAT5E 24AWG 4 Pairs		
Part Number	Nominal Overall Diameter	Approx. Weight
	inches	lbs/kft
TEL24-4PC5EDB-SHLD	0.24	34

Performance						
Frequency	ATT	NEXT	PS-NEXT	ELFEX	PS-ELFEXT	Return Loss dB
MHz	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	minimum
1.0	3.3	65.3	62.3	64.0	61.0	20.0
4.0	6.4	56.3	53.3	52.0	49.0	23.0
8.0	8.7	51.8	48.8	45.9	42.9	24.5
10.0	9.6	50.3	47.3	44.0	41.0	25.0
16.0	12.3	47.2	44.4	39.9	36.9	25.0
20.0	13.6	45.8	42.8	38.0	35.0	25.0
25.0	15.2	44.3	41.3	35.8	33.0	24.3
31.3	17.1	42.9	39.9	34.1	31.1	23.6
62.5	24.8	38.4	35.4	28.1	25.1	21.5
100.0	32.0	35.3	32.3	24.0	21.0	20.1

All values are nominal and subject to correction

#3010-05

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.

11-2020

Category 5E Plenum
Data Communication Cable

APPLICATION:

Category 5E Plenum Data Communication Cable is suitable to be used as structured cabling for voice and high speed in commercial and residential building for voice, video and LAN data lines, when they are installed in air return ducts or when limiting the transmission of smoke is required. The cable is rated for use at 350MHz and is rated CMP.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- Low smoke plenum rated insulation

CABLING:

- 4 twisted pairs cabled together, each pair with different lays to minimize cross-talk interferences

JACKET:

- Low smoke plenum rated jacket

STANDARDS:

- UL listed or ETL verified Type CMP
- NEC Article 800, NFPA 262
- 1000Mbps
- TPDDI 155
- ATM IEEE 802.3
- IEEE 802.5 ISD Voice
- TIA/EIA-568
- ISO/IEC-11801

CAT5E (UTP) CMP Plenum 24 AWG 4 Pairs					
Part Number	Nominal Overall Diameter	Approx. Weight	Mutual Capacitance	DC Resistance Max	Nominal Velocity of Propagation
	inches	lbs/kft	Nf/100m	Ω/100m	%
TEL24-4PC5E350PLE	0.187	20	4.4	9.38	72

Performance						
Frequency	ACR, min.	Characteristic Impedance	SRL	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m	dB/100m
1.0	66	100 ± 15%	23.0	2.0	68	63
4.0	55	100 ± 15%	23.0	4.1	59	54
10.0	47	100 ± 15%	23.0	6.5	53	47
16.0	42	100 ± 15%	23.0	8.2	50	45
20.0	40	100 ± 15%	23.0	9.3	48	43
31.3	35	100 ± 15%	21.9	11.7	45	40
62.5	25	100 ± 15%	20.2	17.0	41	36
100.0	18	100 ± 15%	19.1	22.0	38	33
155.0	10	100 ± 15%	18.0	28.1	35	30
200.0	-	100 ± 15%	17.4	32.4	33	27
300.0	-	100 ± 15%	16.4	41.0	31	26
500.0	-	100 ± 15%	16.0	44.9	30	25

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

Category 6 PVC
Data Communication Cable

APPLICATION:
Category 6 PVC Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. The cable is rated for use at 550MHz and is rated CMR.

CONDUCTORS:
- Solid soft drawn bare copper per ASTM B3

INSULATION:
- High density polyethylene (HDPE)

CABLING:
- 4 twisted pairs are cabled together and each pair is twisted in different lays to minimize cross-talk interferences. The pairs are separated from each other by an X divider

JACKET:
- Polyvinyl chloride (PVC)

STANDARDS:
- UL listed or ETL verified Type CMR
- UL 444, 1666
- NEC Article 800
- TIA/EIA-568
- ISO/IEC-11801

CAT6 (UTP) CMR 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-PVC	CMR	0.220	24

Performance					
Frequency	ACR, min.	Characteristic Impedance	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m
1.0	72.3	100 ± 15%	2.0	74.3	72.3
4.0	61.5	100 ± 15%	3.8	65.3	63.3
10.0	53.3	100 ± 15%	6.0	59.3	57.3
16.0	48.6	100 ± 15%	7.6	56.2	54.2
20.0	46.3	100 ± 15%	8.5	54.8	52.8
25.0	43.8	100 ± 15%	9.5	53.3	51.3
31.3	41.2	100 ± 15%	10.7	51.9	49.9
62.5	32.0	100 ± 15%	15.4	47.4	45.4
100.0	24.5	100 ± 15%	19.8	44.3	42.3
200.0	10.8	100 ± 15%	29.0	39.8	37.8
250.0	5.5	100 ± 15%	32.8	38.3	36.3

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

Category 6 Shielded PVC
Data Communication Cable

APPLICATION:
Category 6 Shielded PVC Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. The cable is rated for use up to 550MHz and is rated CMR.

CONDUCTORS:
- Solid soft drawn bare copper per ASTM B3

INSULATION:
- High density polyethylene (HDPE)

CABLING:
- 4 twisted pairs are cabled together and each pair is twisted in different lays to minimize cross-talk interferences. The pairs are separated from each other by an X divider

SHIELD:
- Aluminum polyester backed shielding tape with a tined copper drain wire

JACKET:
- Polyvinyl chloride (PVC)

STANDARDS:
- UL listed or ETL verified Type CMR
- UL 444, 1666
- NEC Article 800
- TIA/EIA-568
- ISO/IEC-11801

CAT6 (STP) CMR 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-PVCSH	CMR	0.290	34

Performance					
Frequency	ACR, min.	Characteristic Impedance	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m
1.0	72.3	100 ± 15%	2.0	74.3	72.3
4.0	61.5	100 ± 15%	3.8	65.3	63.3
10.0	53.3	100 ± 15%	6.0	59.3	57.3
16.0	48.6	100 ± 15%	7.6	56.2	54.2
20.0	46.3	100 ± 15%	8.5	54.8	52.8
25.0	43.8	100 ± 15%	9.5	53.3	51.3
31.3	41.2	100 ± 15%	10.7	51.9	49.9
62.5	32.0	100 ± 15%	15.4	47.4	45.4
100.0	24.5	100 ± 15%	19.8	44.3	42.3
200.0	10.8	100 ± 15%	29.0	39.8	37.8
250.0	5.5	100 ± 15%	32.8	38.3	36.3

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

Category 6 Direct Burial
Data Communication Cable

APPLICATION:

Category 6 Direct Burial Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines, when installation is to be directly buried in earth. The Cable is suitable for use up to 550MHz and is rated CMX and CMR.

CONDUCTORS:

- Solid bare copper

INSULATION:

- High density polyethylene (HDPE)

CABLING:

- 4 twisted pairs are cabled together and each pair is twisted in different lays to minimize cross-talk interferences. The pairs are separated from each other by an X divider and the cable is water block gel filled

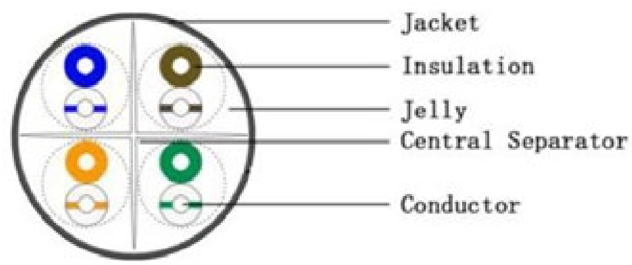
JACKET:

- Black sunlight resistant, CMX, CMR and direct burial rated PE

STANDARDS:

- UL listed or ETL verified Type CMX, CMR
- UL 444 & 1666
- Type CMX and CMR per NEC Article 800
- TIA/EIA-568-C.2

CAT6 CMX & CMR 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-DB-GEL-RL	CMX & CMR	0.260	30



Electrical Characteristics (20˚C)		
1.0~ 250 MHz Impedance	100 ± 15%	ohms
1.0~250.0MHz Delay Skew	<45	ns/100m
Mutual Capacitance @ 1KHz, 20°C	<5.6	pF/100m
Cap. Unbalanced to Ground @ 1KHz, 20°C	<330	pF/100m
Max. Conductor DC Resistance 20°C	<9.38	ohms/100m
Resistance Unbalance 20°C	<5	%

Performance							
Frequency	Return Loss dB	NEXT, min.	PSNEXT, min.	ACRF, min.	PSACRF, min.	Insertion Loss	Delay, max.
MHz	minimum	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	ns/100m
1.0	20.0	74.3	72.3	67.8	64.8	2.0	600
4.0	23.0	65.3	63.3	55.8	52.8	3.8	582
8.0	24.5	60.8	58.8	49.7	46.7	5.3	577
10.0	25.0	59.3	57.3	47.8	44.8	6.0	575
16.0	25.0	56.2	54.2	43.7	40.7	7.6	573
20.0	25.0	54.8	52.8	41.8	38.8	8.5	572
25.0	24.2	53.3	51.3	39.8	36.8	9.5	571
31.3	23.3	51.9	49.9	37.9	34.9	10.7	570
62.5	20.7	47.4	45.4	31.9	28.9	15.4	579
100.0	19.0	44.3	42.3	27.8	24.8	19.8	578
200.0	16.4	39.8	37.8	21.8	18.8	29.0	577
250.0	15.6	38.3	36.3	19.8	16.8	32.8	576

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.

11-2020

Category 6 Plenum
Data Communication Cable

APPLICATION:

Category 6 Plenum Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines, when they are installed in air return ducts or when limiting the transmission of smoke is required. The cable is rated for use at 550MHz and is rated CMP.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- Low smoke plenum rated insulation

CABLING:

- 4 twisted pairs are cabled together and each pair is twisted in different lays to minimize cross-talk interferences. The pairs are separated from each other by an X divider

JACKET:

- Low smoke plenum rated jacket

STANDARDS:

- UL listed or ETL verified Type CMP
- UL 444, 1666
- NEC Article 800, NFPA 262
- TIA/EIA-568
- ISO/IEC-11801

CAT6 (UTP) CMP Plenum 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-PLE	CMP	0.220	25

Performance					
Frequency	ACR, min.	Characteristic Impedance	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/100m	dB/100m	dB/100m	dB/100m
1.0	72.3	100 ± 15%	2.0	74.3	72.3
4.0	61.5	100 ± 15%	3.8	65.3	63.3
10.0	53.3	100 ± 15%	6.0	59.3	57.3
16.0	48.6	100 ± 15%	7.6	56.2	54.2
20.0	46.3	100 ± 15%	8.5	54.8	52.8
25.0	43.8	100 ± 15%	9.5	53.3	51.3
31.3	41.2	100 ± 15%	10.7	51.9	49.9
62.5	32.0	100 ± 15%	15.4	47.4	45.4
100.0	24.5	100 ± 15%	19.8	44.3	42.3
200.0	10.8	100 ± 15%	29.0	39.8	37.8
250.0	5.5	100 ± 15%	32.8	38.3	36.3

All values are nominal and subject to correction

1-800-945-5542
www.PriorityWire.com

Category 6A PVC

Data Communication Cable

APPLICATION:

Category 6A PVC Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines. Suitable for use up to 10 Gig and is rated CMR.

CONDUCTORS:

- 23AWG solid soft drawn bare copper conductors

INSULATION:

- High density polyethylene (HDPE)
- Color Code: White/Blue stripe & Blue, White/Orange stripe & Orange, White/Green stripe & Green, White/Brown stripe & Brown

CABLING:

- 4 twisted pairs with a central separator are cabled together and each pair is twisted in different lays to minimize cross-talk interferences

JACKET:

- Polyvinyl chloride (PVC) jacket with a rip cord
- Storage, installation and operating temp is -30°C to +60°C
- Available in blue and yellow

STANDARDS:

- UL, c(UL) & ETL verified
- Type CMR, per NEC Article 800
- ANSI/ICEA S-90-661
- TIA /EIA-568-B.2
- ISO/IEC-11801

CAT 6A (UTP) CMR, 4 Twisted Pair			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6A-PVC	CMR	0.279	39

Performance							
Frequency	ATT	Delay	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
	328' max	328' min	328' min	328' min	328' min	328' min	minimum
MHz	dB/100m	ns/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m
1.0	2.1	570.0	74.3	72.3	67.8	64.8	20.0
4.0	3.8	552.0	65.3	63.3	55.8	52.8	23.0
8.0	5.3	546.7	60.8	58.8	49.7	46.7	24.5
10.0	5.9	545.4	59.3	57.3	47.8	44.8	25.0
16.0	7.5	543.0	56.2	54.2	43.7	40.7	25.0
20.0	8.4	542.1	54.8	52.8	41.8	38.8	25.0
25.0	9.4	541.2	53.3	51.3	39.8	36.8	24.3
31.3	10.5	540.4	51.9	49.9	37.9	34.9	23.6
62.5	15.0	538.6	47.4	45.4	31.9	28.9	21.5
100.0	19.1	537.6	44.3	42.3	27.8	24.8	20.1
200.0	27.6	536.5	39.8	37.8	21.8	18.8	18.0
250.0	31.1	536.3	38.3	36.3	19.8	16.8	17.3
300.0	34.3	536.1	37.1	35.1	18.3	15.3	16.8
500.0	45.3	535.6	33.8	31.8	13.8	10.8	15.2
750.0	62.3	535.3	31.1	29.1	10.3	7.3	14.0

All values are nominal and subject to correction

RoHS COMPLIANT

c UL US LISTED

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.

Type L2 – RHH/RHW Class I without Braid, 600V

APPLICATION:

Priority Wire & Cable's FlexTel® Type L2 Central Office Power Cable is a rugged; RHH/RHW rated wire for 600V applications. Central Office Power Cable is suitable for use in telecommunication applications and for power distribution of AC and DC power in conduit or cable trays. Central Office Power Cable is available in a variety of colors.

CONDUCTORS:

- Class I stranded tinned copper conductor for increased flexibility in accordance with ASTM B-33 & B-172 and covered with a mylar tape

INSULATION:

- Low Smoke Zero Halogen LSZH cross linked polyolefin XLPO insulation, which is rated 90°C
- Maximum conductor operating temperature: 90°C dry, 75°C wet or dry, maximum short circuits 250°C
- Colors and sunlight resistance available upon request

STANDARDS:

- UL listed Power Cable for Telephone Central Office Applications
- 1/0 and larger listed and marked FT4 and for CT use
- ST1 per UL1685 Vertical Tray Flame Test
- Meets UL VW-1 flame test
- Passes IEEE 1202, FT4 Vertical Tray Flame Test
- UL 44 Thermoset Insulated Wires and Cables
- Meets Telecordia specification GR-347-CORE
- CSA C22.2 No. 38 Thermoset-Insulated Wires and Cables, RW90

COLOR CODE:

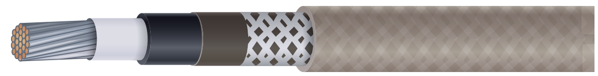
Color	Code
Red	RAL3027
Blue	RAL5017
Grey	RAL7040
Green	RAL6017
Black	RAL9004

Part Number	Conductor Size	No. of Strands	Conductor Diameter	Insulation Min. Avg. Thickness	Overall Diameter	Net Weight	Max DC Resistance @20C	Current Capacity**
	AWG/kcmil		inches	mils	inches	lbs/kft	ohms/kft	amps
14-01COP-124194-L2	14	41*	0.072	45	0.179	26	2.8200	25
12-01COP-124194-L2	12	65*	0.091	45	0.199	35	1.7700	30
10-01COP-124194-L2	10	105*	0.116	45	0.226	50	1.1100	40
8-01COP-124194-L2	8	41	0.153	60	0.280	85	0.6790	55
6-01COP-124194-L2	6	65	0.188	60	0.315	122	0.4360	75
4-01COP-124194-L2	4	105	0.260	60	0.385	186	0.2740	95
2-01COP-124194-L2	2	168	0.305	60	0.430	256	0.1720	130
1/0-01COP-124194-L2	1/0	266	0.392	80	0.560	434	0.1090	170
2/0-01COP-124194-L2	2/0	342	0.455	80	0.620	533	0.0868	195
4/0-01COP-124194-L2	4/0	532	0.577	80	0.745	832	0.0546	260
350-01COP-124194-L2	350	888	0.760	95	0.960	1323	0.0334	350
500-01COP-124194-L2	500	1221	0.890	95	1.090	1810	0.0234	430
750-01COP-124194-L2	750	1850	1.094	110	1.325	2680	0.0157	535

All values are nominal and subject to correction
**Class K stranding*
*** Ampacity based on NEC table 310.15(B)(16) for no more than three current-carrying conductors in raceway, cable, or earth at 90˚C conductor temperature and 30˚C ambient air temperature*

1-800-945-5542
www.PriorityWire.com

Type L3 – RHH/RHW Class B with Braid, 600V



APPLICATION:

Priority Wire & Cable's FlexTel® Type L3 Central Office Power Cable is a rugged; RHH/RHW rated wire for 600V applications. Central Office Power Cable is suitable for use in telecommunication applications and for power distribution of AC and DC power in conduit or cable trays. Central Office Power Cable is available in a variety of colors.

CONDUCTORS:

- Class B stranded tinned copper conductor in accordance with ASTM B-33 & B-8 and covered with a mylar tape

INSULATION:

- Low Smoke Zero Halogen LSZH cross linked polyolefin XLPO insulation, which is rated 90°C. Cables 6 AWG or larger have a layer of mylar tape over the insulation

JACKET:

- Cotton braid jacket coated in gray saturant finish
- Maximum conductor operating temperature: 90°C dry, 75°C wet or dry, maximum short circuits 250°C
- Other colors and sunlight resistance available upon request

STANDARDS:

- UL listed Power Cable for Telephone Central Office Applications
- 1/0 and larger listed and marked FT4 and for CT use
- ST1 per UL1685 Vertical Tray Flame Test
- Meets UL VW-1 flame test
- Passes IEEE 1202, FT4 Vertical Tray Flame Test
- UL 44 Thermoset Insulated Wires and Cables
- Meets Telecordia specification GR-347-CORE
- CSA C22.2 No. 38 Thermoset-Insulated Wires and Cables, RW90

COLOR CODE:

Color	Code
Red	RAL3027
Blue	RAL5017
Grey	RAL7040
Green	RAL6017
Black	RAL9004

Part Number	Conductor Size	No. of Strands	Conductor Diameter	Insulation Min. Avg. Thickness	Overall Diameter	Net Weight	Max DC Resistance @20C	Current Capacity**
	AWG/kcmil		inches	mils	inches	lbs/kft	ohms/kft	amps
14-01COP-124194-L3	14	7	0.071	45	0.225	37	2.730	25
12-01COP-124194-L3	12	7	0.089	45	0.247	47	1.720	30
10-01COP-124194-L3	10	7	0.113	45	0.272	63	1.080	40
8-01COP-124194-L3	8	7	0.142	60	0.327	93	0.678	55
6-01COP-124194-L3	6	7	0.178	60	0.370	132	0.427	75
4-01COP-124194-L3	4	7	0.225	60	0.414	190	0.269	95
2-01COP-124194-L3	2	7	0.283	60	0.482	280	0.169	130
1/0-01COP-124194-L3	1/0	19	0.362	80	0.606	441	0.106	170
2/0-01COP-124194-L3	2/0	19	0.405	80	0.651	538	0.084	195
4/0-01COP-124194-L3	4/0	19	0.528	80	0.756	808	0.052	260
350-01COP-124194-L3	350	37	0.661	95	0.930	1295	0.032	350
500-01COP-124194-L3	500	37	0.789	95	1.066	1796	0.022	430
750-01COP-124194-L3	750	61	0.968	110	1.267	2663	0.0148	535

All values are nominal and subject to correction

*** Ampacity based on NEC table 310.15(B)(16) for no more than three current-carrying conductors in raceway, cable, or earth at 90˚C conductor temperature and 30˚C ambient air temperature*

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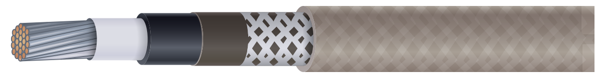
Type L4 – RHH/RHW Class I with Braid, 600V



APPLICATION:

Priority Wire & Cable's FlexTel® Type L4 Central Office Power Cable is a rugged; RHH/RHW rated wire for 600V applications. Central Office Power Cable is suitable for use in telecommunication applications and for power distribution of AC and DC power in conduit or cable trays. Central Office Power Cable is available in a variety of colors.

CONDUCTORS:

- Class I stranded tinned copper conductor for increased flexibility in accordance with ASTM B-33 & B-172 and covered with a mylar tape

INSULATION:

- Low Smoke Zero Halogen LSZH cross linked polyolefin XLPO insulation, which is rated 90°C. Cables 6 AWG or larger have a layer of mylar tape over the insulation

JACKET:

- Cotton braid jacket coated in gray saturant finish
- Maximum conductor operating temperature: 90°C dry, 75°C wet or dry, maximum short circuits 250°C
- Other colors and sunlight resistance available upon request

STANDARDS:

- UL listed Power Cable for Telephone Central Office Applications
- 1/0 and larger listed and marked FT4 and for CT use
- ST1 per UL1685 Vertical Tray Flame Test
- Meets UL VW-1 flame test
- Passes IEEE 1202, FT4 Vertical Tray Flame Test
- UL 44 Thermoset Insulated Wires and Cables
- Meets Telecordia specification GR-347-CORE
- CSA C22.2 No. 38 Thermoset-Insulated Wires and Cables, RW90

COLOR CODE:

Color	Code
Red	RAL3027
Blue	RAL5017
Grey	RAL7040
Green	RAL6017
Black	RAL9004

Part Number	Conductor Size	No. of Strands	Conductor Diameter	Insulation Min. Avg. Thickness	Overall Diameter	Net Weight	Max DC Resistance @20C	Current Capacity**
	AWG/kcmil		inches	mils	inches	lbs/kft	ohms/kft	amps
14-01COP-124194-L4	14	41*	0.072	45	0.250	43	2.8200	25
12-01COP-124194-L4	12	65*	0.091	45	0.270	54	1.7700	30
10-01COP-124194-L4	10	105*	0.116	45	0.295	72	1.1100	40
8-01COP-124194-L4	8	41	0.153	60	0.330	99	0.6790	55
6-01COP-124194-L4	6	65	0.188	60	0.365	137	0.4360	75
4-01COP-124194-L4	4	105	0.260	60	0.435	199	0.2740	95
2-01COP-124194-L4	2	168	0.305	60	0.480	283	0.1720	130
1/0-01COP-124194-L4	1/0	266	0.392	80	0.615	460	0.1090	170
2/0-01COP-124194-L4	2/0	342	0.455	80	0.675	562	0.0868	195
4/0-01COP-124194-L4	4/0	532	0.577	80	0.800	868	0.0546	260
350-01COP-124194-L4	350	888	0.760	95	1.015	1373	0.0334	350
500-01COP-124194-L4	500	1221	0.890	95	1.145	1860	0.0234	430
750-01COP-124194-L4	750	1850	1.094	110	1.380	2738	0.0157	535

All values are nominal and subject to correction
**Class K stranding*
*** Ampacity based on NEC table 310.15(B)(16) for no more than three current-carrying conductors in raceway, cable, or earth at 90˚C conductor temperature and 30˚C ambient air temperature*

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RG-6/U Coaxial Cable

APPLICATION:

RG-6/U Coaxial Cables are suitable for use in RF signal transmission in MATV and CATV applications.

CONDUCTORS:

RG-6/U Coaxial Cable has either a:
- CCS – Copper Clad Steel, per ASTM B869
- BC – Bare Copper Conductor, per ASTM B3, B258

DIELECTRIC:

- Gas expanded polyethylene (PE)

JACKET:

- Flame retardant PVC

STANDARDS:

- UL 444
- NEC CM, CATV, CL2
- **RG6/U60%DIRBUR**: Direct Burial Rated
- **RG-6/UQUADCUCMR**: NEC CMR, CATV / ETL Listed

Part Number	Conductor Size	Conductor Diameter	Dielectric Diameter	Cable Diameter	DCR*	Impedance	Capacitance	Velocity of Propagation	Weight
	AWG	inches	inches	inches	Ω/kft	Ohm	pF/ft.	%	lbs./kft
RG6/U60%	18	0.040	0.180	0.273	28.9	75	16.5	85	30
RG6/U60%DIRBUR	18	0.040	0.180	0.273	28.9	75	16.5	85	30
RG6/UDUAL	18	0.040	0.180	0.270 x 0.595	28.9	75	16.5	85	60
RG6/UQUAD6040	18	0.040	0.180	0.292	28.9	75	16.5	85	35
RG6/UQUADCUCMR	18	0.040	0.180	0.297	6.4	75	16.5	83	35

All values are nominal and subject to correction
*Conductor resistance at 68°F/20°C

Part Number	Conductor Type	Insulation Material	Shield Type & Coverage
RG6/U60%	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/U60%DIRBUR	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/UDUAL	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/UQUAD6040	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid
RG6/UQUADCUCMR	BC	Foamed FEP	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid

Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
5	0.58
50	1.48
100	2.01
200	2.86
400	4.23
700	5.96
900	6.96
1000	7.45
1200	8.25
1450	9.34
1800	10.69
2200	11.54
2500	11.70
3000	13.07

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RG-6/U Plenum Coaxial Cable

APPLICATION:

RG-6/U Plenum Coaxial Cables are suitable for use in RF signal transmission in CATV and CCTV applications.

CONDUCTORS:

- BC – Bare Copper Conductor, per ASTM B3, B258

DIELECTRIC:

- Foamed FEP

JACKET:

- White plenum rated PVC

STANDARDS:

- UL 444
- **RG6/U PLENUM CATV**: NEC Type CATVP, CMP
- **RG6/U PLENUM CCTV**: NEC Type CCTV, CMP
- ETL Listed
- Operating Temperature -5°C to 75°C

Part Number	Conductor Size	Conductor Diameter	Dielectric Diameter	Cable Diameter	DCR*	Impedance	Capacitance	Velocity of Propagation	Weight
	AWG	inches	inches	inches	Ω/kft	Ohm	pF/ft.	%	lbs./kft
RG6/U PLENUM CATV	18	0.040	0.170	0.230	6.4	75	15.8	84	30
RG6/U PLENUM CCTV	18	0.040	0.170	0.225	6.4	75	15.8	84	36

All values are nominal and subject to correction
*Conductor resistance at 68°F/20°C

Part Number	Conductor Type	Insulation Material	Shield Type & Coverage
RG6/U PLENUM CATV	BC	Foamed FEP	100% AL Foil + 90% AL Braid
RG6/U PLENUM CCTV	BC	Foamed FEP	95% BC Braid

RG6/U PLENUM CATV	
Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
10	0.80
50	1.65
100	2.17
200	3.02
400	4.41
600	5.63
700	6.19
900	7.14
1000	7.65
1450	9.56
2200	11.68
3000	13.05

RG6/U PLENUM CATV	
Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
1	0.10
10	0.44
50	1.06
100	1.46
200	2.17
400	3.25
700	4.65
900	5.47
1000	5.85
1450	7.47
1800	8.50

RG-11 Coaxial Cable

APPLICATION:

RG-11 Coaxial Cables are suitable for use in RF signal transmission in MATV, CATV and CCTV applications.

CONDUCTORS:

RG-11 Coaxial Cable has either a:

- CCS – Copper Clad Steel, per ASTM B800, B869
- BC – Bare Copper Conductor, per ASTM B3, B258

DIELECTRIC:

- Gas expanded polyethylene (PE)

STANDARDS:

- UL 444
- NEC CM, CATV, CCTV, CL2
- **RG11-Burial**: Direct Burial Rated

Part Number	Conductor Size	Conductor Diameter	Dielectric Diameter	Cable Diameter	Shield DCR*	Impedance	Capacitance	Velocity of Propagation	Weight	Attenuation Chart
	AWG	inches	inches	inches	Ω/kft	Ohm	pF/ft.	%	lbs./kft	
RG11/U60%	14	0.064	0.280	0.405	7.1	75	16.5	85	64	1
RG11/UQUAD	14	0.064	0.280	0.460	3.7	75	16.5	85	63	1
RG11-Burial	14	0.064	0.278	0.405	2.5	75	16.2	84	76	2

All values are nominal and subject to correction
*Conductor resistance at 68°F/20°C

Part Number	Conductor Type	Insulation Material	Shield Type & Coverage	Jacket Type
RG11/U60%	CCS	Gas Injected PE	100% AL Foil + 60% AL Braid	PVC
RG11/UQUAD	CCS	Gas Injected PE	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid	PVC
RG11-Burial	CCS	FEP	95% Bare CU Braid	Poly

Chart 1

Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
55	0.96
187	1.75
250	2.05
300	2.25
400	2.60
450	2.75
500	2.90
550	3.04
600	3.18
750	3.65
865	3.98
1000	4.35

Chart 2

Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
1	0.10
10	0.44
50	1.06
100	1.46
200	2.17
400	3.25
700	4.65
900	5.47
1000	5.85
1450	7.47
1800	8.50

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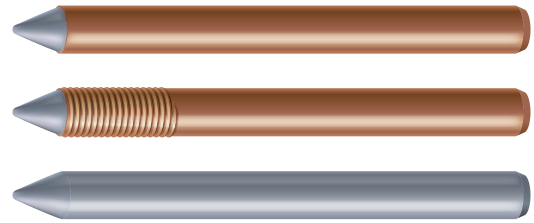
Ground Rods & Plates



APPLICATION:

Ground Rods are intended to be driven into earth to provide grounding for substations, towers, homes, buildings and all other structures that contain electrical products or for applications to provide grounding against lightning. They are available in copper coated steel or galvanized steel constructions.

COPPER COVERED:

- High quality steel with a consistent covering of electrolytic copper
- 10 & 13 Mil Rods 8' and larger are UL approved

GALVANIZED STEEL:

- High quality steel with a consistent covering of zinc
- Option: Also avalible with REA (RUS) electrical and telephone approvals

GALVANIZED PLATE:

- UL 467 approved. High Quality Steel with a consistent covering of zinc
- Grounding plate as efficient as two 10ft. x 5/8" ground rods

STANDARDS:

- **Copper:** UL 467 for ground rods ½ to 1" diameter, in 8 to 10' lengths
- **Steel:** ANSI/ASTM A153
- 10 & 13mil designated copper coated rods are both UL/RUS Approved

Part Number	Rod Size	Nominal O.D.	Master Bundle	Weight		Copper Thickness	UL Listed
	Diameter x Length	inches	pcs	lbs./bundle	lbs./100 Pcs	mils	
COPPER GROUND RODS SINGLE TYPE							
PWC125	½" x 5'	0.433	100	312	312	5	NO
PWC126	½" x 6'	0.433	100	400	400	5	NO
PWC128	½" x 8'	0.496	100	500	500	10	YES
PWC1210	½" x 10'	0.496	100	625	625	10	YES
PWC586	⅝" x 6'	0.555	100	510	510	5	NO
PWC588*	⅝" x 8'	0.555	100	700	700	10	YES
PWC588-13*	⅝" x 8'	0.563	100	700	700	13	YES
PWC5810-13	⅝'' x 10'	0.563	100	870	870	13	YES
PWC5810*	⅝" x 10'	0.555	100	900	900	10	YES
PWC348*	¾" x 8'	0.673	50	500	1000	10	YES
PWC348-13*	¾'' x 8'	0.680	50	572	1144	13	YES
PWC3410*	¾" x 10'	0.673	50	650	1300	10	YES
PWC110	1" x 10'	0.894	25	575	2300	10	YES

All values are nominal and subject to correction.
**RUS accepted*
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