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WIRE & CABLE, INC.

Prysmian Group Linking the Future

FIBER OPTIC CABLE PRODUCTS

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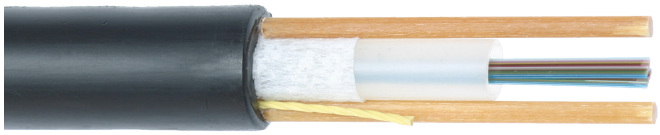
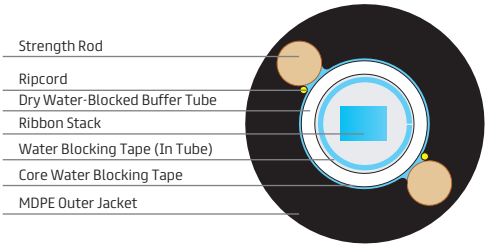
Dry FusionLink™

Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

Prysmian





FEATURES AND BENEFITS

Compact Design
- Efficient packaging of higher fiber counts
- Lightweight and easy to handle during installation

Easily Removable Ribbon Matrix
- Allows for ease of stripping and fiber breakout
- Improves mid-span strippability

Precision Ribbon Geometry
- Time and labor savings during fiber splicing

Flexible Buffer Tubet
- Superior kink resistance
- Increased flexibility
- Facilitates route management in closures

Dry Water-Blocking Technology
- Buffer tube and core are completely dry -no gel
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

All-Dielectric Strength Elements
- Jacket can be removed from the end in a single step
- Mid-span access is safer and easier

Available Uncoupled or Coupled Designs
- Coupled design (RCD product) couples the ribbon stack with the cable which elimates the need for splice point coupling coils in aerial application
- Un-coupled design (RCU product) requires the use of coupling coils at the splice points in aerial applications to prevent fiber retraction in closures

Performance
- 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)

Registered Supplier
- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

RUS LISTED

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

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TLS-DS-A-203-0521

Dry FusionLink™

Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

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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

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Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance.
The appropriate part number can be configured using the process described below

1. RCD Coupled Design Example (for 60 to 432, 612 to 864):

Example: 96 count Dry FusionLinkTM with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation ***with*** coupling (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	– RCD	1JKT	– 12	– HB	– 096	– E1

2. RCU Uncoupled Design Example (for 12 to 48, 576)

Example: 948 count Dry FusionLinkTM with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation ***without*** coupling (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	– RCU	1JKT	– 12	– HB	– 048	– E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

RCD = Dry FusionLink™ Coupled Design (60 to 432, 612 to 864)

RCU = Dry FusionLink™ Uncoupled Design (12 to 48, 576): aerial coupling coils required

3 CONSTRUCTION

1JKT = Single Jacket

4 FIBER GROUPING

12 = 12f per tube

24 = 24f Ribbons

36 = 36f Ribbons

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

Other cable constructions and fiber performance grades available on request.

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = Single-Mode (ITU G.652 C & D) Low Water Peak

ES = Enhanced Single-Mode (ITU G.652 C & D)

CE = Corning™ SMF28e+ Single-Mode

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

BB = BendBright™ Single-Mode (ITU G.657.A1 & G.652.D)

BU = Bend-Insensitive Single-Mode (ITU G.657.A1+ & G.652.D)

DB = BendBright A1+ Single-Mode (ITU G.657.A1+ & G.652.D)

CU = Corning™ SMF-28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D)

BX = BendBrightXS™ Single-Mode (ITU G.657.A2 & .B2 & G.652.D)

6 FIBER COUNT

12 to 864 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)
E1 = 0.40/0.40/0.30	1310/1383/1550
* E3 = 0.35/0.35/0.25	1310/1383/1550

* 612 to 864 fibers limited to E1 attenuation code

Dry FusionLink™ Armored

Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

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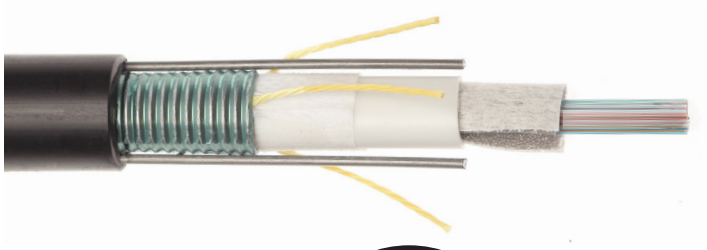

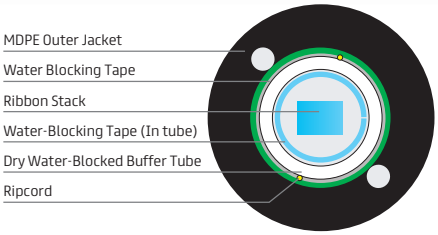

FEATURES AND BENEFITS

Compact Design
- Efficient packaging of higher fiber counts
- Lightweight and easy to handle during installation

Easily Removable Ribbon Matrix
- Allows for ease of stripping and fiber breakout
- Improves mid-span strippability

Precision Ribbon Geometry
- Time and labor savings during fiber splicing

Flexible Buffer Tubet
- Superior kink resistance
- Increased flexibility
- Facilitates route management in closures

Dry Water-Blocking Technology
- Buffer tube and core are completely dry – no gel
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removede

ezPrep® Corrugated Steel Armor
- Provides additional mechanical protection
- Special coating reduces time and effort to remove jacket

Available Uncoupled or Coupled Designs
- Coupled design (RCD product) couples the ribbon stack with the cable which elimates the need for splice point coupling coils in aerial application
- Un-coupled design (RCU product) requires the use of coupling coils at the splice points in aerial applications to prevent fiber retraction in closures

Performance
- 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

Registered Supplier
- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

RUS LISTED

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

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Dry FusionLink™ Armored

Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

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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

Dry FusionLink™ Armored
Ribbon Central Tube (Dry) Cable

PRIORITY WIRE & CABLE, INC.

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Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance.
The appropriate part number can be configured using the process described below

1. RCD Coupled Design Example (for 60 to 432, 612 to 864):

Example: 96 count Dry FusionLinkTM Armored with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation ***with*** coupling (printed in feet)

1 LENGTH MARKINGS		2 PRODUCT FAMILY	3 CONSTRUCTION		4 FIBER GROUPING		5 FIBER TYPE		6 FIBER COUNT		7 FIBER GRADE
F	–	RCD	1A1J	–	12	–	HB	–	096	–	E1

2. RCU Uncoupled Design Example (for 12 to 48, 576):

Example: 48 count Dry FusionLinkTM Armored with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation without coupling (printed in feet)

1 LENGTH MARKINGS		2 PRODUCT FAMILY	3 CONSTRUCTION		4 FIBER GROUPING		5 FIBER TYPE		6 FIBER COUNT		7 FIBER GRADE
F	–	RCU	1A1J	–	12	–	HB	–	048	–	E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

RCD = Dry FusionLink™ Coupled Design (60 to 432, 612 to 864)

RCU = Dry FusionLink™ Uncoupled Design (12 to 48, 576): aerial coupling coils required

3 CONSTRUCTION

1A1J = Single Armor, Single Jacket

4 FIBER GROUPING

12 = 12f per tube

24 = 24f Ribbons

36 = 36f Ribbons

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

Other cable constructions and fiber performance grades available on request.

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = Single-Mode (ITU G.652 C & D) Low Water Peak

ES = Enhanced Single-Mode (ITU G.652 C & D)

CE = Corning™ SMF28e+ Single-Mode

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

BB = BendBright™ Single-Mode (ITU G.657.A1 & G.652.D)

BU = Bend-Insensitive Single-Mode (ITU G.657.A1+ & G.652.D)

DB = BendBright A1+ Single-Mode (ITU G.657.A1+ & G.652.D)

CU = Corning™ SMF-28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D)

BX = BendBrightXS™ Single-Mode (ITU G.657.A2 & .B2 & G.652.D)

6 FIBER COUNT

12 to 864 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)
E1 = 0.40/0.40/0.30	1310/1383/1550
* E3 = 0.35/0.35/0.25	1310/1383/1550

* 612 to 864 fibers limited to E1 attenuation code

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TLS-DS-A-204-0621

ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

PRIORITY WIRE & CABLE, INC.

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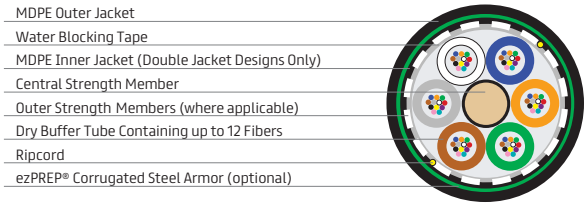

OVERVIEW

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

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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

Double Jacket Single Armored (PSP) (EDH1A2J)

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	EDH1A2J-12-AA-006-BB	XX0064H1F-DT	5	0.53	13.5	107	160	11	27	5	14	59,054	18,000
	12	EDH1A2J-12-AA-012-BB	XX00124H1F-DT											
	24	EDH1A2J-12-AA-024-BB	XX00244H1F-DT											
	36	EDH1A2J-12-AA-036-BB	XX00364H1F-DT											
	48	EDH1A2J-12-AA-048-BB	XX00484H1F-DT											
72	72	EDH1A2J-12-AA-072-BB	XX00724H1F-DT	6	0.55	14.0	122	181	11	28	5	14	59,054	18,000
84 to 96	96	EDH1A2J-12-AA-096-BB	XX00964H1F-DT	8	0.61	15.5	137	204	12	31	6	16	53,510	16,310
108 to 120	120	EDH1A2J-12-AA-120-BB	XX1204H1F-DT	10	0.67	17.1	167	249	13	34	7	17	43,104	13,139
132 to 144	144	EDH1A2J-12-AA-144-BB	XX1444H1F-DT	12	0.74	18.9	198	294	15	38	7	19	35,816	10,918
156 to 216	216	EDH1A2J-12-AA-216-BB	XX2164H1F-DT	18	0.76	19.2	198	294	15	38	8	19	35,688	10,879
228 to 264	264	EDH1A2J-12-AA-264-BB	XX2644H1F-DT	22	0.80	20.4	220	327	16	41	8	20	31,446	9,586
276 to 288	288	EDH1A2J-12-AA-288-BB	XX2884H1F-DT	24	0.86	21.8	239	356	17	44	9	22	29,088	8,867
290 to 432	432	EDH1A2J-12-AA-432-BB	XX4324H1F-DT	36	0.94	24.0	257	382	19	48	9	24	22,400	6,828

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

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TLS-DS-A-101-1022

ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

PRIORITY WIRE & CABLE, INC.

Prysmian

Dielectric Double Jacket (PDP) (EDHNA2J)

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	EDHNA2J-12-AA-006-BB	XX0064H1A-DT	5	0.46	11.7	63	96	9	23	5	12	41,010	12,500
	12	EDHNA2J-12-AA-012-BB	XX0124H1A-DT											
	24	EDHNA2J-12-AA-024-BB	XX0244H1A-DT											
	36	EDHNA2J-12-AA-036-BB	XX0364H1A-DT											
	48	EDHNA2J-12-AA-048-BB	XX0484H1A-DT											
72	72	EDHNA2J-12-AA-072-BB	XX0724H1A-DT	6	0.48	12.2	73	108	10	25	5	12	41,010	12,500
84 to 96	96	EDHNA2J-12-AA-096-BB	XX0964H1A-DT	8	0.54	13.8	89	133	11	28	5	14	41,010	12,500
108 to 120	120	EDHNA2J-12-AA-120-BB	XX1204H1A-DT	10	0.61	15.4	111	165	12	31	6	15	41,010	12,500
132 to 144	144	EDHNA2J-12-AA-144-BB	XX1444H1A-DT	12	0.67	17.1	133	198	13	34	7	17	41,010	12,500
156 to 216	216	EDHNA2J-12-AA-216-BB	XX2164H1A-DT	18	0.67	17.1	137	204	13	34	7	17	41,010	12,500
228 to 264	264	EDHNA2J-12-AA-264-BB	XX2644H1A-DT	22	0.74	18.7	159	237	15	37	7	19	36,138	11,016
276 to 288	288	EDHNA2J-12-AA-288-BB	XX2884H1A-DT	24	0.78	19.8	179	266	16	40	8	20	33,220	10,126

Double Jacket Double Armored (SPSP) (EDH2A2J)

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	EDH2A2J-12-AA-006-BB	XX0064H1S-DT	5	0.64	16.3	182	272	13	33	6	16	41,010	12,500
	12	EDH2A2J-12-AA-012-BB	XX0124H1S-DT											
	24	EDH2A2J-12-AA-024-BB	XX0244H1S-DT											
	36	EDH2A2J-12-AA-036-BB	XX0364H1S-DT											
	48	EDH2A2J-12-AA-048-BB	XX0484H1S-DT											
72	72	EDH2A2J-12-AA-072-BB	XX0724H1S-DT	6	0.67	17.1	194	289	13	34	7	17	41,010	12,500
84 to 96	96	EDH2A2J-12-AA-096-BB	XX0964H1S-DT	8	0.75	19.1	226	336	15	38	8	19	35,306	10,762
108 to 120	120	EDH2A2J-12-AA-120-BB	XX1204H1S-DT	10	0.80	20.4	258	384	16	41	8	20	31,096	9,479
132 to 144	144	EDH2A2J-12-AA-144-BB	XX1444H1S-DT	12	0.88	22.4	312	465	18	45	9	22	25,630	7,813
156 to 216	216	EDH2A2J-12-AA-216-BB	XX2164H1S-DT	18	0.88	22.4	305	454	18	45	9	22	25,630	7,813
228 to 264	264	EDH2A2J-12-AA-264-BB	XX2644H1S-DT	22	0.94	23.9	338	503	19	48	9	24	22,400	6,828
276 to 288	288	EDH2A2J-12-AA-288-BB	XX2884H1S-DT	24	0.98	24.9	368	547	20	50	10	25	20,282	6,182

Triple Jacket Double Armored (PSPSP) (EDH2A3J)

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	EDH2A3J-12-AA-006-BB	XX0064E1S-DT	5	0.70	17.8	215	320	14	36	7	18	40,248	12,268
	12	EDH2A3J-12-AA-012-BB	XX0124E1S-DT											
	24	EDH2A3J-12-AA-024-BB	XX0244E1S-DT											
	36	EDH2A3J-12-AA-036-BB	XX0364E1S-DT											
	48	EDH2A3J-12-AA-048-BB	XX0484E1S-DT											
72	72	EDH2A3J-12-AA-072-BB	XX0724E1S-DT	6	0.73	18.6	228	339	15	37	7	19	35,654	10,868
84 to 96	96	EDH2A3J-12-AA-096-BB	XX0964E1S-DT	8	0.78	19.9	265	394	16	40	8	20	31,852	9,709
108 to 120	120	EDH2A3J-12-AA-120-BB	XX1204E1S-DT	10	0.86	21.9	313	466	17	43	9	22	27,160	8,279
132 to 144	144	EDH2A3J-12-AA-144-BB	XX1444E1S-DT	12	0.93	23.7	367	546	19	47	9	24	22,330	6,807
156 to 216	216	EDH2A3J-12-AA-216-BB	XX2164E1S-DT	18	0.93	23.7	367	546	19	47	9	24	22,330	6,807
228 to 264	264	EDH2A3J-12-AA-264-BB	XX2644E1S-DT	22	0.98	25.0	402	598	20	50	10	25	20,312	6,192
276 to 288	288	EDH2A3J-12-AA-288-BB	XX2884E1S-DT	24	1.02	26.0	429	639	20	52	10	26	18,680	5,694

* 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

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TLS-DS-A-101-1022

ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

PRIORITY WIRE & CABLE, INC.

Prysmian

Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance.
The appropriate part number can be configured using the process described below

Example: ExpressLT™ dry (gel-free) | single armor single jacket (12 fibers/tube) with 72 single-mode fibers (printed in feet)

1 LENGTH MARKINGS		2 PRODUCT FAMILY		3 CONSTRUCTION		4 FIBER GROUPING		5 FIBER TYPE		6 FIBER COUNT		7 FIBER GRADE
F	–	EDH	–	1A1J	–	12	–	HB	–	072	–	E3

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

EDH = ExpressLT™ Dry

3 CONSTRUCTION

1JKT = Single Jacket
1A1J = Single Armor, Single Jacket
1A2J = Single Armor, Dual Jacket
2A2J = Double Armor, Dual Jacket
2A3J = Double Armor, Triple Jacket
NA2J = Non Armored, Dual Jacket

4 FIBER GROUPING

12 = 12f per tube

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = Single-Mode (ITU G.652 C & D) Low Water Peak
ES = Enhanced Single-Mode (ITU G.652 C & D)
CE = Corning™ SMF28e+ Single-Mode
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)
BU = Bend-Insensitive Single-Mode (ITU G.657.A1+ & G.652.D)
DU = BendBright+ Single-Mode (ITU G.657.A1+ & G.652.D)
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)
LE = LEAF NZDSF (ITU G.655)

MULTIMODE	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/__
G5 = OM2+ BIF (50µm) [1]	850/1300	700/500	800	150/__
G3 = OM3 BIF (50µm) [1]	850/1300	1500/500	1000	300/__
G4 = OM4 BIF (50µm) [1]	850/1300	3500/500	1100	550/__

6 FIBER COUNT

004 to 432 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, BU, DU, or B2
N1 = 0.25	1550	LE

MULTIMODE Attenuation (dB/km)	Wavelength (nm)
M2 = 3.5/1.0	850/1300
M3 = 3.0/1.0	850/1300

Other cable constructions and fiber performance grades available on request.

Note 1: 50µm fiber is limited to a maximum of 144 fibers.

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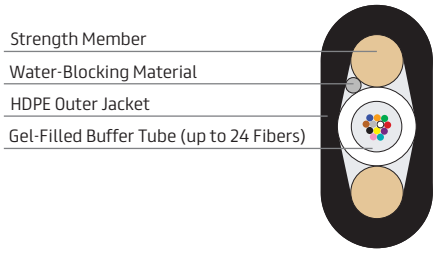
TLS-DS-A-101-1022

ResiLink™ ADF | Flat Drop Dielectric

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

PRIORITY WIRE & CABLE, INC. Prysmian



FEATURES AND BENEFITS

Easy Access Design
- The jacket can be easily opened with a knife
- The buffer tube is easily separated from the jacket and strength members
- The 3.0 mm buffer tube provides protection when routing fibers to the splice tray

All-Dielectric Messengers
- No bonding or grounding required
- Flexible and kink resistant

Dry Water-Blocking Technology
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

Versatile Design
- Small cross-section and high strength provide good aerial performance
- Can be pushed or pulled through duct
- Highly crush-resistant

Dual Strength Member Design
- More flexible than a single, all-dielectric rod of the same strength
- Easier to handle and coil than comparable all-dielectric figure-8 designs
- A great alternative where steel strength members are not permissible

High Density Polyethylene Jacket
- Low friction installation
- Excellent protection from environmental hazards

Sheath Markings
- Provides positive identification and length verification

Performance
- Complies with Telcordia GR20 and ICEA 717

Registered Supplier
- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

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)

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TLS-DS-A-602-0921

ResiLink™ ADF | Flat Drop Dielectric

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

PRIORITY WIRE & CABLE, INC.

Prysmian

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

Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

Example: ResiLink flat dielectric, flat drop (12 fibers/tube) with 2 single-mode fibers (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	– DFD	1JKT	– 12	– B1	– 002	– E3

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

DFD = ResiLink™ All-Dielectric Flat Drop Cable

3 CONSTRUCTION

1JKT = Single Jacket

4 FIBER GROUPING

12 = 12f per tube

24 = 24f per tube (for 14 to 24 fiber counts)

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

CU = Corning™ SMF28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

6 FIBER COUNT

1 to 24 fibers

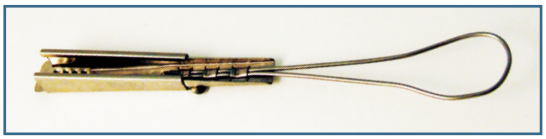
7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E3 = 0.35/0.35/0.25	1310/1383/1550	B1, CU, or B2

Other cable constructions and fiber performance grades available on request.

Mounting Hardware - Clamp

Manufacturer	Catalog Number	Clamp Description
Belden	23-88881	2 Pair Stainless Steel Drop Wire Clamp



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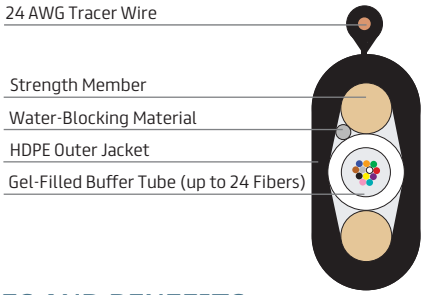
TLS-DS-A-602-0921

ResiLink™ TF | Flat Drop Toneable

Toneable flat drop cable (1 to 24 Fibers)

PRIORITY WIRE & CABLE, INC.

Prysmian



FEATURES AND BENEFITS

Easy Access Design

- The jacket can be easily opened with a knife
- The buffer tube is easily separated from the jacket and strength members
- The 3.0 mm buffer tube provides protection when routing fibers to the splice tray

External Tracer Wire in a Wedded Configuration

- Simplifies location of the cable after installation
- Can be grounded or accessed without opening the rest of the cable
- Easily separated from the rest of the cable without compromising the jacket

All-Dielectric Messengers

- No bonding or grounding required
- Flexible and kink resistant

Dry Water-Blocking Technology

- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

Versatile Design

- Small cross-section and high strength provide good aerial performance
- Can be pushed or pulled through duct
- Highly crush-resistant

Dual Strength Member Design

- More flexible than a single rod of the same strength
- Easier to handle and coil than comparable all-dielectric figure-8 designs
- A great alternative where steel strength members are not permissible

High Density Polyethylene Jacket

- Low friction installation
- Excellent protection from environmental hazards

Sheath Markings

- Provides positive identification and length verification

Performance

- Complies with Telcordia GR20 and ICEA 717

Registered Supplier

- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

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)

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TLS-DS-A-603-0523

ResiLink™ TF | Flat Drop Toneable

Toneable flat drop cable (1 to 24 Fibers)

PRIORITY WIRE & CABLE, INC.

Prysmian

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

Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

Example: ResiLink flat toneable, flat drop (12 fibers/tube) with 2 single-mode fibers (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	– DFD	NATJ	– 12	– B1	– 002	– E3

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

DFD = ResiLink™ All-Dielectric Flat Drop Cable

3 CONSTRUCTION

NATJ = Non-Armor, Toneable Jacket

4 FIBER GROUPING

12 = 12f per tube

24 = 24f per tube (for 14 to 24 fiber counts)

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

CU = Corning™ SMF28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

6 FIBER COUNT

1 to 24 fibers

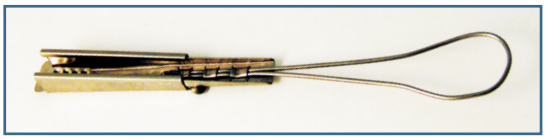
7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E3 = 0.35/0.35/0.25	1310/1383/1550	B1, CU, or B2

Other cable constructions and fiber performance grades available on request.

Mounting Hardware - Clamp

Manufacturer	Catalog Number	Clamp Description
Belden	23-88881	2 Pair Stainless Steel Drop Wire Clamp



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TLS-DS-A-603-0523

Prysmian Group

PRIORITY WIRE & CABLE, INC.

PRYSMIAN Draka General Cable

Color Code Guide For Fiber Optic Specifications

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

General Information

Prysmian uses the US industry standard repeating 12-color sequence. When cables go beyond 12 units, the colors repeat but use a stripe to distinguish units.

For buffer tubes containing more than 12 fibers, there are two color schemes:

- Tubes with binder threads: A blue and orange thread binder is used to separate two groups of fibers. The blue unit has the first 12 fibers and the orange unit has the next 12 fibers. This sequence is used by UMH1A1J-24, MDS1JKT-24, and the LongSpan ADSS designs when 24 fibers per tube are specified.
- Tubes with 24 uniquely colored fibers: Fibers 1 to 12 use the standard blue through aqua color sequence. Fibers 13 to 24 use black dashes on the same 12 fiber color sequence except for fiber 20 which uses a black dash on a natural uncolored fiber. This sequence is used by the MDM1JKT-24 microduct cable family of products.

Unit Position Color Code for Loose Tube (TIA-598)

Position	Buffer Tube Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate (Gray)
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose (Pink)
12	Aqua

Position	Buffer Tube Color
13	Blue w/Black Stripe
14	Orange w/Black Stripe
15	Green w/Black Stripe
16	Brown w/Black Stripe
17	Slate w/Black Stripe
18	White w/Black Stripe
19	Red w/Black Stripe
20	Black w/Yellow Stripe
21	Yellow w/Black Stripe
22	Violet w/Black Stripe
23	Rose w/Black Stripe
24	Aqua w/Black Stripe

Position	Buffer Tube Color
25	Blue w/Red Stripe
26	Orange w/Red Stripe
27	Green w/Red Stripe
28	Brown w/Red Stripe
29	Slate w/Red Stripe
30	White w/Red Stripe
31	Red w/Yellow Stripe
32	Black w/Red Stripe
33	Yellow w/Red Stripe
34	Violet w/Red Stripe
35	Rose w/Red Stripe
36	Aqua w/Red Stripe
37	Blue w/Green Stripe
38	Orange w/Green Stripe

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Premise Jacket Color Code Guide

Fiber Optic Color Code for Jackets (TIA-598)

OM3/OM4
Interconect series, riser, plenum and LSZH

MMF - 62.5/50µm, OM1/OM2+
Interconect series, riser, plenum and LSZH

Single-Mode including Bend-Insenstive Fiber
Interconect series, riser, plenum and LSZH

Hybrid
Indoor-Outdoor Cables and Outside Plant Cable
All Fiber Types

Fiber Specifications

Fiber Class	Fiber Type	1 GbE Max. Distance 850nm / 1300nm	10 GbE Max. Distance 850nm / 1300nm	Bandwidth MHz-hm (OFL) 850nm / 1300nm	Indoor Cable Jacket Color
62.5 µm 200/500 MHz·km	OM1	275m/550m	36m/300m	200/500	
50 µm 700/500 MHz·km	OM2	550m/550m	82m/300m	1500/500	
50 µm 300	OM3	1000m/550m	300m/300m	1500/500	
50 µm 550	OM4	1100m/550m	550m/300m	3500/500	
Single-Mode	OS1 & OS2	5-40km @ 1310nm	10km @ 1310nm 40km @ 1550nm	N/A	
Bend-Insensitive Single-Mode Fiber	OS2	5-40km @ 1310nm	10km @ 1310nm 40km @ 1550nm	N/A	

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