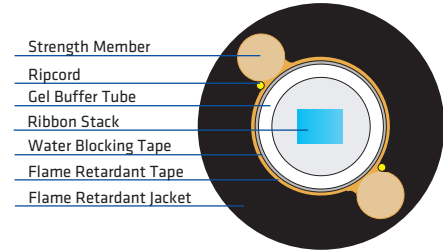
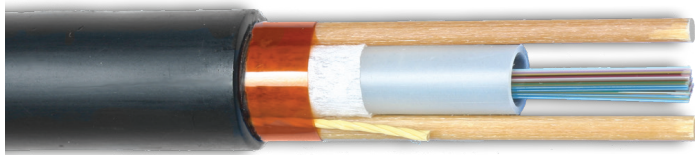




## FusionLink™ Indoor/Outdoor Ribbon

Ribbon central tube riser (gel) cable



### Features and Benefits

#### Indoor/Outdoor Design

- Saves space and time by eliminating splices at the cable vault
- Can be installed using typical loose tube cable methods and hardware

#### Flame Retardant Construction

- Riser rated design complies with UL 1666; OFNR & OFN-FT4 rated

#### 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 Tube

- Superior kink resistance
- Facilitates route management in closures
- Eliminates need for closure transportation tubing

#### Dry Water-Blocking Technology

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

### Performance

- Meets or exceeds the requirements of Telcordia GR-20, Issue 3 and GR-409, and is tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables

### Registered Supplier

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

PERFORMANCE SPECIFICATIONS		
<b>Bend Radius</b>		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
<b>Tensile Rating</b>	<b>N</b>	<b>lbf</b>
Installation	2700	600
Residual	800	180
<b>Crush Resistance</b>	<b>N/cm</b>	<b>lbf/in</b>
Short/ Long Term	220/110	125/63
<b>Temperature Ratings</b>	<b>°C</b>	<b>°F</b>
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

## FusionLink™ Indoor/Outdoor Ribbon

Ribbon central tube riser (gel) cable

### Nominal Cable Design Parameters

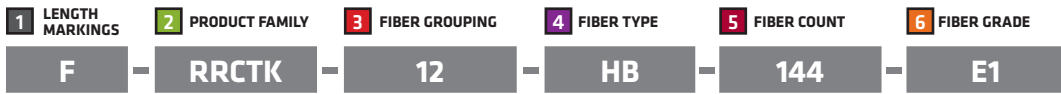
Fiber Count		12-96	108-216
Ribbon Count		1-8	9-18
Fibers/Ribbon		12	12
Buffer Tube OD	(mm)	8.4	11.0
	(inches)	0.33	0.43
Cable OD	(mm)	17.8	20.4
	(inches)	0.70	0.80
Cable Weight	(kg/km)	330	422
	(lb/kft)	222	284
Max. Length	(m)	9,458	7,201
	(ft)	31,022	23,619

### Nominal Interlock Armor Design Parameters

Fiber Count		12-96	108-216
Cable OD	(mm)	26.9	29.5
	(inches)	1.06	1.16
Cable Weight	(kg/km)	761	909
	(lb/kft)	511	611
Max. Length	(m)	4,705	4,100
	(ft)	15,435	13,450

**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: 144 count, riser rated FusionLink™ I/O cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation.**



PART NUMBER CONSTRUCTION	
<b>1 LENGTH MARKINGS</b>	F = Feet or M = Meters
<b>2 PRODUCT FAMILY &amp; CONSTRUCTION</b>	RRCTK = FusionLink Indoor/Outdoor (Riser) RRCTKAJ = FusionLink Aluminum Interlock Armor I/O (Riser)
<b>3 FIBER GROUPING</b>	12 = 12f Ribbons

Note: Please refer to the fiber code addendum for additional fiber options, or contact us for help.

FIBER INFORMATION				
<b>5 FIBER TYPE</b>				
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)				
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
MULTIMODE				
	Wavelength (nm)	Bandwidth (MHz)	1 CbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ BIF (50µm)	850/1300	700/500	800	150/___
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/___
<b>6 FIBER COUNT</b>				
012-216 fibers				

7 FIBER GRADE					
SINGLE-MODE			MULTIMODE		
Attenuation (dB/km)	Wavelength (nm)	Fiber Type	Attenuation (dB/km)	Wavelength (nm)	
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, CE, B1, or B2	M2 = 3.5/1.0	850/1300	
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, or B2	M3 = 3.0/1.0	850/1300	

Other cable constructions and fiber performance grades available on request.

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