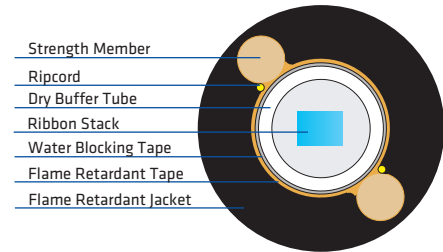
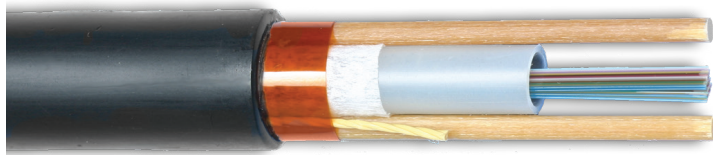




## FusionLink™ Indoor/Outdoor Ribbon

Ribbon central tube riser (dry) 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

- Buffer tube and core are completely dry- no gel
- 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 & ICEA-S-83-696, which 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

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 (dry) cable

### Nominal Cable Design Parameters

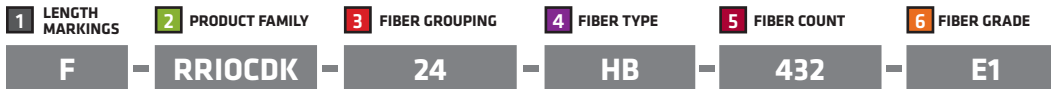
Fiber Count		12-48	60-72	84-144	240-432
Ribbon Count		1-4	5-6	7-12	10-18
Fibers/Ribbon		12	12	12	24
Buffer Tube OD	(mm)	6.2	8.8	10.6	15.4
	(inches)	0.24	0.35	0.42	0.61
Cable OD	(mm)	12.3	16.2	18.0	22.8
	(inches)	0.50	0.64	0.71	0.90
Cable Weight	(kg/km)	150	214	250	364
	(lb/kft)	101	144	168	245
Max. Length	(m)	9,458	9,458	9,458	5,445
	(ft)	31,022	31,022	31,022	17,864

### Nominal Interlock Armor Design Parameters

Fiber Count		12-48	60-72	84-144	240-432
Cable OD	(mm)	21.9	25.2	27.0	32.0
	(inches)	0.86	0.99	1.06	1.26
Cable Weight	(kg/km)	438	567	637	844
	(lb/kft)	294	381	428	567
Max. Length	(m)	7,500	5,540	4,705	3,420
	(ft)	24,600	18,175	15,435	11,220

**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:** 432 count, riser rated, dry 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</b>	<b>LENGTH MARKINGS</b> F = Feet or M = Meters
<b>2</b>	<b>PRODUCT FAMILY &amp; CONSTRUCTION</b> RRIODCK = Dry FusionLink Indoor/Outdoor (Riser) RRIODKJA = Dry FusionLink Aluminum Interlock Armor I/O(Riser)
<b>3</b>	<b>FIBER GROUPING</b> 12 = 12f Ribbons (12-144) 24 = 24f Ribbons (240-432)

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

FIBER INFORMATION		
<b>4</b>	<b>FIBER TYPE</b>	
	<b>SINGLE-MODE</b>	
	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)	
<b>5</b>	<b>FIBER COUNT</b>	
	012-144 fibers	
	240-432 fibers	
<b>6</b>	<b>FIBER GRADE</b>	
	<b>SINGLE-MODE</b>	
	Attenuation (dB/km)	Wavelength (nm) Fiber Type
	E1 = 0.40/0.40/0.30	1310/1383/1550 HB, ES, CE, B1, or B2
	E3 = 0.35/0.35/0.25	1310/1383/1550 HB, ES, CE, B1, or B2

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