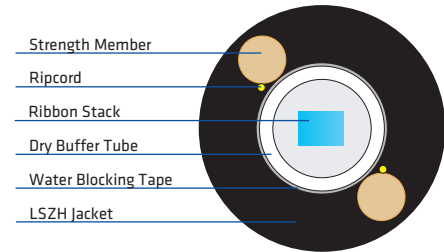
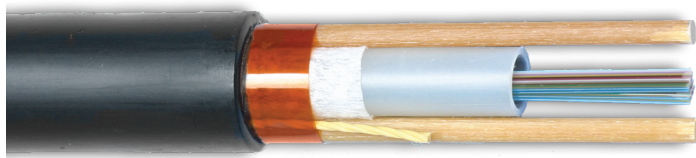




FusionLink™ Indoor/Outdoor, Riser/LSZH Ribbon

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 rated
- LSZH jacket material
- CPR Rating Dca – s₂d₂a₁

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		
Bend Radius		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
Tensile Rating	N	lbf
Installation	2700	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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Nominal Cable Design Parameters

Fiber Count		12-72	84-144
Ribbon Count		1-6	7-12
Fibers/Ribbon		12	12
Buffer Tube OD	(mm)	8.8	10.6
	(inches)	0.35	0.42
Cable OD	(mm)	15.2	17.0
	(inches)	0.60	0.67
Cable Weight	(kg/km)	216	255
	(lb/kft)	145	171
Max. Length	(m)	9,458	9,458
	(ft)	31,022	31,022

Nominal Interlock Armor Design Parameters

Fiber Count		48-72	84-144
Cable OD	(mm)	24.4	25.9
	(inches)	0.96	1.02
Cable Weight	(kg/km)	570	642
	(lb/kft)	383	431
Max. Length	(m)	6,040	3,400
	(ft)	19,515	11,155

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, dry FusionLink™ I/O Riser/LSZH cable with G.657.A1 single-mode fiber and 0.40/0.40/0.30 attenuation.



PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS F = Feet or M = Meters
2	PRODUCT FAMILY & CONSTRUCTION RRZIOCDK = Dry FusionLink Indoor/Outdoor, Riser/LSZH RRZIOCDKAJ = Dry FusionLink Interlock Armor I/O, Riser/LSZH
3	FIBER GROUPING 12 = 12f Ribbons

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)	
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)	
6	FIBER COUNT	
	12-144 fibers	
7	FIBER GRADE	
	SINGLE-MODE	
	Attenuation (dB/km)	Wavelength (nm)
	E1 = 0.40/0.40/0.30	1310/1383/1550
		Fiber Type
		B1 or B2

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