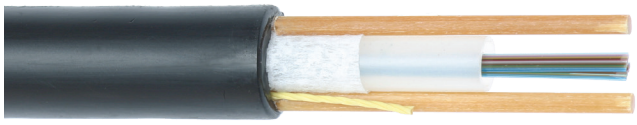
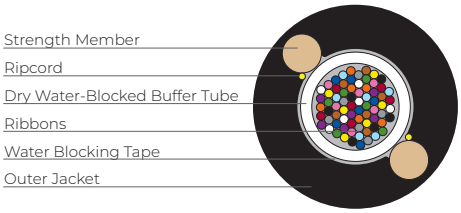
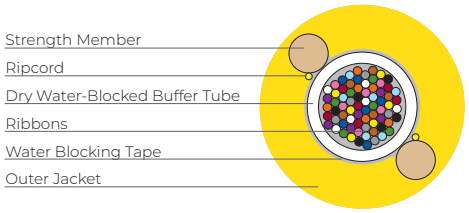
288 to 432F FusionLink™ RICT Indoor/Outdoor Riser with FlexRibbon™ 16 Fiber Ribbon

200µm Fibers





Indoor/Outdoor Design



Indoor Design

OVERVIEW

FusionLink™ RICT with FlexRibbon™ Technology provides an ultracompact indoor/outdoor cable design that contains up to 432 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in a small diameter central tube. While FlexRibbon™ provides high packing density, these 200µm fiber ribbons still provide the advantages of mass fusion splicing.

FEATURES AND BENEFITS

Ultra Compact Design

- FlexRibbons™ are rolled up into compact central tube designs
- Significantly smaller diameter and lighter weight cables allow for easier installation and the use of smaller ducts

FlexRibbon Technology

- Extremely flexible ribbons can be rolled up for high packing densities or laid flat for ribbon splicing
- 16 fiber ribbons are compatible with mass fusion heat strippers, cleavers, and splice machines
- Uses standard 200µm coated bend-insensitive fiber (ITU G657.A1)

Performance

- Uses full dry water blocking technology in the tube and cable core for easy closure preparation and termination
- Tested in accordance with ICEA 696 and with relevant EIA/TIA-455 series FOTPs for fiber optic cables

Flame Retardant Construction

- Riser designs comply with UL 1666 and is OFNR and OFNG-FT4 rated

Registered Supplier

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

PERFORMANCE SPECIFICATIONS		
Fiber Count	**288 to 432**	
Tensile Rating	**N**	**lbf**
Installation	2,700	600
Residual	800	180
Crush Resistance	**N/cm**	**lbf/in**
Short/ long Term	220/80	
Temperature Ratings	**°C**	**°F**
Operation	-30 to +70	-22 to +158
Installation	-10 to +60	+14 to +140
Storage/Shipping	-40 to +70	-40 to +158
Duct Size/% Fill	1" / 62%	

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288 to 432F FusionLink™ RICT Indoor/Outdoor Riser with FlexRibbon™ 16 Fiber Ribbon

200µm Fibers

RIBBON COLOR CODE

Ribbon #	Marking	Ribbon #	Marking	Ribbon #	Marking
1		13		25	
2		14		26	
3		15		27	
4		16			
5		17			
6		18			
7		19			
8		20			
9		21			
10		22			
11		23			
12		24			

CABLE BENDING

Fiber Count	288 to 432
Minimum Bend Diameter (Diameter = Radius x 2)	
Installation: Wheel/Capstan	25in (63cm)
Long Term: Coil/Slack/Bend	13in (33cm)
Minimum Bend Radius (Diameter = Radius x 2)	
Installation: Wheel/Capstan	20 x Cable OD
Long Term: Coil/Slack/Bend	10 x Cable OD

Fiber Count	Recommended Prysmian** Part Number	Number of Ribbons	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
				Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
INDOOR/OUTDOOR											
FusionLink™ Indoor/Outdoor with FlexRibbon™ | OFNR/FT4											
288	RRIOCFK-16-AA-288-BB	18	288	0.35	8.8	0.62	15.8	147	218.6	40354	12,300
432	RRIOCFK-16-AA-432-BB	27	432	0.35	8.8	0.62	15.8	153	227	40354	12,300
INDOOR ONLY											
FusionLink™ Indoor Only with FlexRibbon™ | OFNR/FT4											
288	RRCFK-16-AA-288-BB	18	288	0.35	8.8	0.62	15.8	147	218.6	40354	12,300
432	RRCFK-16-AA-432-BB	27	432	0.35	8.8	0.62	15.8	153	227	40354	12,300

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

Ordering Guide

The Prysmian 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 all-dielectric FusionLink RICT with FlexRibbon Technology with G657.A2 bend insensitive fiber (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER GRADE
F	– RRIOCFK	16	– 2X	– 432	– EA

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY & CONSTRUCTION

RRIOCFK = FusionLink Indoor/Outdoor Riser FlexRibbon (Black Jacket)

RRCFK = FusionLink Indoor Only Riser FlexRibbon (Yellow Jacket)

3 FIBER GROUPING

16 = 16f per tube

FIBER INFORMATION

4 FIBER TYPE

SINGLE-MODE

2X = BBXS 200µm Bend Insensitive Single-Mode (ITU G.657.A2 & G652.D)

5 FIBER COUNT

288 to 432 fibers

6 FIBER GRADE

EA = 0.5/0.5/0.5 db/km @ 1310/1383/1550 nm

E7 = 0.4/0.4/0.3 db/km @ 1310/1383/1550 nm

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.

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