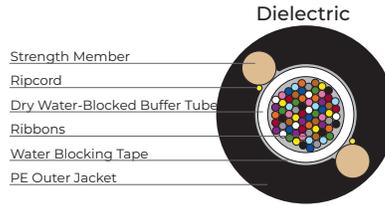


FusionLink™ with 200µm FlexRibbon® Technology



Ribbon Central Tube (Dry) Cable

288-432 Fiber Designs with 12 or 16 Fiber Ribbons



OVERVIEW

FusionLink™ with FlexRibbon® Technology provides an ultra-compact outside plant cable design that contains 288-432 bend insensitive fibers. By using FlexRibbon® technology, ribbons are rolled up and packed together in small diameter sub unit. While FlexRibbon® provides high packing density, these 200 µm fiber ribbons still provide the advantages of mass fusion splicing.

FEATURES AND BENEFITS

Ultra Compact Design

- FlexRibbons® are rolled up into a compact central tube
- 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
- 12 or 16 fiber ribbons are compatible with mass fusion heat strippers, cleavers, and splice machines
- Uses standard 200 µm coated bend-insensitive fiber (ITU G657.A2)

Note: These cable designs require coupling coils at the splice points in aerial applications to prevent fiber retraction in closures.

Vibratory Plowing is not recommended for these designs.

Performance

- Uses full dry water blocking technology in the tubes and cable core for easy closure preparation and termination
- Tested in accordance with GR20 and ICEA 640 and with relevant EIA/ TIA-455 series FOTPs for fiber optic cables

Registered Supplier

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

PERFORMANCE SPECIFICATIONS			
Minimum Bend Diameter		288f	432f
		Dielectric	Dielectric
Installation	Wheel/Capstan	24 in (61 cm)	27 in (68 cm)
	Slack/Bend	12 in (31 cm)	14 in (34 cm)
Long Term	Coil	19 in (48 cm)	21 in (53 cm)
	Bend Radius		
Dynamic		20 x Cable OD	
Static (Single Bend)		10 x Cable OD	
Static (Coil)		15 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		-30 to +70	-22 to +158
Installation		-30 to +60	-22 to +140
Storage/Shipping		-40 to +70	-40 to +158

Note: Any cable coiling should be done without induced twisting of the cable.

Fiber Count	Fibers Per Ribbon	Recommended Prysmian Part Number*	# of Ribbons	Buffer Tube Diameter		Cable Outside Diameter		Approx. Cable Weight		Duct Size / % Fill	Max. Reel Length	
				Inches	mm	Inches	mm	lb/kft	kg/km		feet	meters
Dielectric												
288f	12	RCF1JKT-12-AA-288-BB	24	0.35	8.8	0.60	15.3	111	165	1 in / 60%	40,354	12,300
288f	16	RCF1JKT-16-AA-288-BB	18									
432f	12	RCF1JKT-12-AA-432-BB	36	0.42	10.6	0.67	17.1	132	196	1 in / 67%	40,354	12,300
432f	16	RCF1JKT-16-AA-432-BB	27									

* Where AA equals glass type and BB equals attenuation



Prysmian

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Ribbon Central Tube (Dry) Cable

288-432 Fiber Designs



RIBBON COLOR CODE					
Ribbon #	Marking	Ribbon #	Marking	Ribbon #	Marking
1		13	■ ■ ■	25	■ ■ ■ ■ ■ ■ ■ ■
2		14	■ ■ ■	26	■ ■ ■ ■ ■ ■ ■
3		15	■ ■ ■ ■	27	■ ■ ■ ■ ■ ■ ■
4		16	■ ■ ■ ■	28	■ ■ ■ ■ ■ ■ ■
5	■	17	■ ■ ■ ■	29	■ ■ ■ ■ ■ ■ ■
6	■	18	■ ■ ■ ■	30	■ ■ ■ ■ ■ ■ ■ ■
7	■	19	■ ■ ■ ■	31	■ ■ ■ ■ ■ ■ ■
8	■	20	■ ■ ■ ■ ■	32	■ ■ ■ ■ ■ ■ ■
9	■	21	■ ■ ■ ■ ■	33	■ ■ ■ ■ ■ ■ ■
10	■ ■	22	■ ■ ■ ■ ■	34	■ ■ ■ ■ ■ ■ ■
11	■ ■	23	■ ■ ■ ■ ■	35	■ ■ ■ ■ ■ ■ ■ ■
12	■ ■	24	■ ■ ■ ■ ■	36	■ ■ ■ ■ ■ ■ ■

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: 288 count all-dielectric FusionLink 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 COUNT	7 FIBER GRADE
F	RCF	1JKT	12	22	288	EA

PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet, M = Meters, B = BABA Compliant in Feet or C = Custom Print
2 PRODUCT FAMILY	RCF = FusionLink with FlexRibbon Technology
3 CONSTRUCTION	1JKT = Single Jacket

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							
4 FIBER GROUPING	12 = 12f per ribbon 16 = 16f per ribbon						
5 FIBER TYPE	SINGLE-MODE 22 = Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D) 2X = BBXS 200µm Bend Insensitive Single-Mode (ITU G.657.A2 & G.652.D)						
6 FIBER COUNT	288-432 fibers						
7 FIBER GRADE	<table border="1"> <thead> <tr> <th>Attenuation (dB/km)</th> <th>Wavelength (nm)</th> </tr> </thead> <tbody> <tr> <td>EA = 0.5/0.5/0.5</td> <td>1310/1383/1550</td> </tr> <tr> <td>E7 = 0.4/0.4/0.3</td> <td>1310/1383/1550</td> </tr> </tbody> </table>	Attenuation (dB/km)	Wavelength (nm)	EA = 0.5/0.5/0.5	1310/1383/1550	E7 = 0.4/0.4/0.3	1310/1383/1550
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EA = 0.5/0.5/0.5	1310/1383/1550						
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