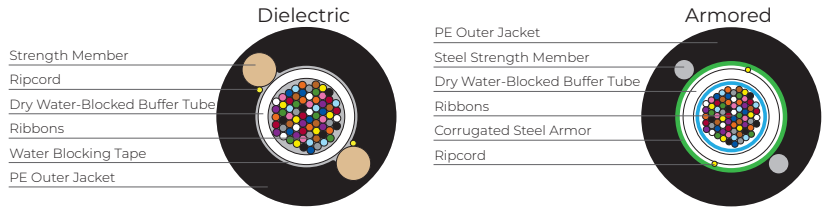
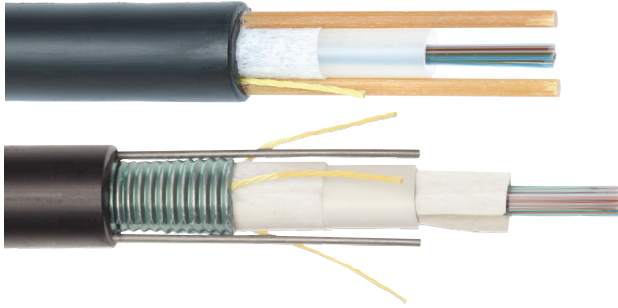


48 to 432f FusionLink™ with FlexRibbon® Technology



Ribbon Central Tube (Dry) Cable



OVERVIEW

FusionLink™ with FlexRibbon® Technology provides an ultra-compact outside plant cable design that contains 48 to 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 250µm 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 fiber ribbons are compatible with mass fusion heat strippers, cleavers, and splice machines
- Uses standard 250µm coated bend-insensitive fiber (ITU G657.A1 or A2)

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

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		48-144f		216-288f		312-432f	
		Dielectric	Armored	Dielectric	Armored	Dielectric	Armored
Installation	Wheel/Capstan	20 in (51 cm)	20 in (50 cm)	24 in (61 cm)	26 in (66 cm)	30 in (75 cm)	31 in (79 cm)
	Slack/Bend	11 in (27 cm)	10 in (26 cm)	12 in (31 cm)	13 in (34 cm)	15 in (38 cm)	16 in (40 cm)
Long Term	Coil	16 in (39 cm)	15 in (39 cm)	19 in (48 cm)	20 in (50 cm)	23 in (58 cm)	24 in (61 cm)
	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		-30 to +70				-22 to +158	
Installation		-30 to +60				-22 to +140	
Storage/Shipping		-40 to +70				-40 to +158	

Fiber Count Range	Recommended Fiber Count	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												
48 – 144	48	RCF1JKT-12-AA-048-BB	4 – 12	0.24	6.2	0.50	12.7	82	122	1 in / 50%	40,354	12,300
	96	RCF1JKT-12-AA-096-BB										
	144	RCF1JKT-12-AA-144-BB										
216 – 288	288	RCF1JKT-12-AA-288-BB	24	0.35	8.8	0.60	15.3	114	189	1 in / 60%	40,354	12,300
312 – 432	432	RCF1JKT-12-AA-432-BB	26 – 36	0.48	12.3	0.74	18.8	149	222	1 in / 74%	27,818	8,479
Armored												
48 – 144	48	RCF1AJ12-12-AA-048-BB	4 – 12	0.24	6.2	0.50	12.6	106	158	1 in / 50%	40,354	12,300
	96	RCF1AJ12-12-AA-96-BB										
	144	RCF1AJ12-12-AA-144-BB										
216 – 288	288	RCF1AJ12-12-AA-288-BB	24	0.35	8.8	0.64	16.3	167	248	1 in / 64%	40,354	12,300
312 – 432	432	RCF1AJ12-12-AA-432-BB	26 – 36	0.48	12.3	0.78	19.8	205	305	1 in / 78%	24,868	7,580

* Where AA equals glass type and BB equals attenuation



Prysmian

4 Tessenere Drive, Highland Heights, KY 41076
na.prysmian.com
TLS-DS-A-301-0424

