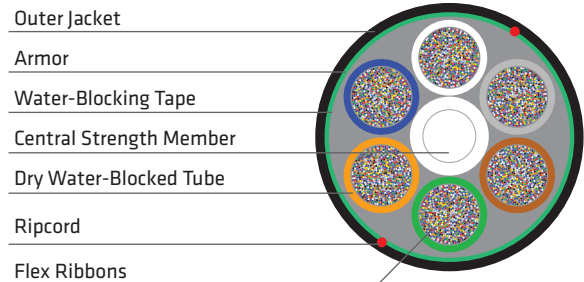
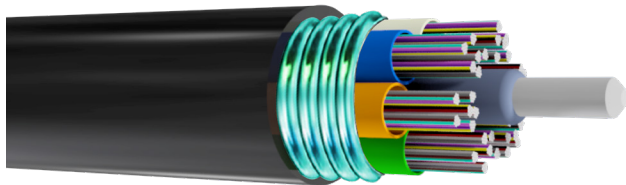


432f MassLink™ with FlexRibbon™ Technology 250 μm Fibers



Overview

MassLink™ with FlexRibbon™ Technology provides an ultra-compact outside plant cable design that contains 432 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in small diameter 72 fiber sub units. While FlexRibbon™ provides high packing density, these 250 μm fiber ribbons still provide the advantages of mass fusion splicing

Ultra Compact Design

- FlexRibbons™ are rolled up into compact 72 fiber sub units for easier routing
- Significantly smaller diameter and lighter weight cables allow for easier installation and the use of smaller ducts
- 21% smaller diameter (38% volume reduction) over traditional ribbon designs

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 250 um coated bend-insensitive fiber (ITU G657.A1 or A2)
- Single armor, single jacket available

Performance

- Uses full dry water blocking technology in the tubes and cable core for easy closure preparation and termination
- Tested in accordance with 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 (Diameter = Radius x 2)

Installation	Wheel/Capstan	35 Inches (89 cm)
Long Term	Coil/Slack/Bend	19 Inches (48 cm)

Minimum 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

NOMINAL DESIGN PARAMETERS

Fiber Count	432	
Tube Positions	6	
Number of Ribbons/Tube	6	
Fiber / Sub Unit	6 Units x 72f / Unit	
Buffer Tube OD	(mm)	5.4
	(inches)	0.21
Single Armor Single Jacket (1A1) Cable OD	(mm)	22.3
	(inches)	0.88
Single Armor Single Jacket (1A1) Cable Weight	(kg/km)	349
	(lb/kft)	235
Single Armor Single Jacket (1A1) Cable Maximum Length	(m)	6,025
	(ft)	19,770
Single Armor Single Jacket (1A1) Duct Size / % Fill	1 1/2" / 59% 1 1/4" / 70%	

Prysmian Group

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RIBBON COLOR CODE	
Ribbon #	Marking
1	
2	
3	
4	
5	■
6	■

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 all-dielectric MassLink with FlexRibbon Technology with G657.A1 bend insensitive fiber and 0.40/0.40/0.30 dB/km attenuation.



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	RLF = MassLink with FlexRibbon Technology
3 CONSTRUCTION	1A1J = Single Armor Single Jacket
4 FIBER GROUPING	12 = 12f Flex-Ribbons

FIBER INFORMATION		
5 FIBER TYPE	SINGLE-MODE	
	B1 = Bend Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
	CU = Corning™ Ultra 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	432 fibers	
7 FIBER GRADE	SINGLE-MODE	
	Attenuation (dB/km)	Wavelength (nm) Fiber Type
	E1 = 0.40/0.40/0.30	1310/1383/1550 B1, CU, or B2

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.