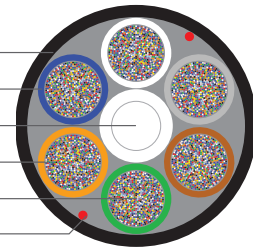


576 to 1728F MassLink™ Indoor and Indoor/Outdoor with FlexRibbon™ 250 μm Fibers



- Outer Jacket
- Water-Blocking Tape
- Central Strength Member
- Dry Water-Blocked Tube
- Flex Ribbons
- Ripcord



Overview

MassLink™ with FlexRibbon™ Technology provides an ultra-compact indoor/outdoor cable design that contains 576 to 1728 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in small diameter 144 or 288 fiber tubes. 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 144 or 288 fiber sub units for easier routing
- Significantly smaller diameter and lighter weight cables allow for easier installation and the use of smaller ducts
- A smaller, more flexible design where the ribbons, tubes, and cable can easily be bent in any direction

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 μm coated bend-insensitive fiber (ITU G657. A1)

Performance

- Uses full dry water blocking technology in the tubes and cable core for easy closure preparation and termination
- Tested in accordance with GR-20 and 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 FT4 rated
- OFNG-LS design complies with UL 1685 type 2 test with smoke measurement and NFPA 130 and is OFNG-LS and FT4 ST1 rated

Registered Supplier

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

PERFORMANCE SPECIFICATIONS				
Design	576-1728f OFNR/FT4		1152-1728f OFNG-LS/FT4 ST1	
Tensile Rating	N	lbf	N	lbf
Installation	2700	600	2700	600
Residual	800	180	800	180
Crush Resistance	N/cm	lbf/in	N/cm	lbf/in
Short/ Long Term	220/110	125/63	220/110	125/63
Temperature Ratings	°C	°F	°C	°F
Operation	-30 to +70	-22 to +158	-30 to +70	-22 to +158
Installation	-10 to +60	+14 to +140	-30 to +60	-22 to +140
Storage/Shipping	-40 to +70	-40 to +158	-40 to +70	-40 to +158

NOMINAL DESIGN PARAMETERS			
Fiber Count		576-864	1152-1728
Number of Tubes		6	6
Number of Ribbons/Tube		12	24
Fibers/Tube		144	288
Buffer Tube OD	mm	6.4	7.4
	inches	0.25	0.29
Flame Rating		OFNR/FT4	OFNR/FT4 OFNG-LS/FT4 ST1
Cable OD	mm	23.6	26.6 26.7
	inches	0.93	1.05 1.05
Weight	kg/km	432	529 553
	lb/kft	286	355 372
Maximum Cable Length	m	7,246	5,704 5,080
	ft	23,774	18,715 16,670
Duct Size/% Fill		1¼"/74%	1½"/70% 1½"/70%

Prysmian Group

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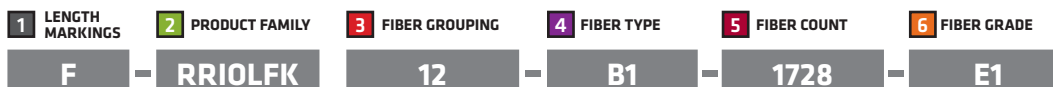
+1-800-669-0808 | website: na.prysmiangroup.com/telecom

RIBBON COLOR CODE			
Ribbon #	Marking	Ribbon #	Marking
1		13	■ ■
2		14	■ ■
3		15	■ ■ ■
4		16	■ ■ ■
5	■	17	■ ■ ■
6	■	18	■ ■ ■
7	■	19	■ ■ ■
8	■	20	■ ■ ■ ■
9	■	21	■ ■ ■ ■
10	■ ■	22	■ ■ ■ ■
11	■ ■	23	■ ■ ■ ■
12	■ ■	24	■ ■ ■ ■

CABLE BENDING			
Fiber Count	576-864	1152-1728	
Flame Rating	OFNR/FT4	OFNR/FT4	OFNG-LS/FT4 ST1
Minimum Bend Diameter (Diameter = Radius x 2)			
Installation: Wheel/Capstan	38in (96cm)	42in (108cm)	42in (108cm)
Long Term: Coil/Slack/Bend	20in (50cm)	22in (56cm)	22in (56cm)
Minimum Bend Radius (Diameter = Radius x 2)			
Installation: Wheel/Capstan	20 x Cable OD		
Long Term: Coil/Slack/Bend	10 x Cable OD		

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 in the example.

Example: 1728 count all-dielectric MassLink with FlexRibbon Technology with G657.A1 bend insensitive fiber.



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY & CONSTRUCTION	RRIO LFK = MassLink Indoor/Outdoor Riser (Black Jacket) RRLFK = MassLink Indoor Only Riser (Yellow Jacket) RZIO LFK = MassLink Indoor/Outdoor LSZH OFNG-LS (Black Jacket) -1152 to 1728f only RZLFK = MassLink Indoor Only LSZH OFNG-LS (Yellow Jacket) -1152 to 1728f only
3 FIBER GROUPING	12 = 12f Flex-Ribbons

FIBER INFORMATION		
4 FIBER TYPE	SINGLE-MODE	
	B1 = Bend Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
5 FIBER COUNT	576 to 1728 fibers	
6 FIBER GRADE	SINGLE-MODE	
	Attenuation (dB/km)	Wavelength (nm) Fiber Type
	E1 = 0.40/0.40/0.30	1310/1383/1550 B1

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