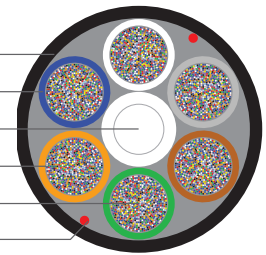


864 and 1728F MassLink™ Indoor/Outdoor Riser with FlexRibbon™ 200 μm Fibers



- 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 up to 1728 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in small diameter 144 and 288 fiber tubes. While FlexRibbon™ provides high packing density, these 200 μm fiber ribbons still provide the advantages of mass fusion splicing.

Ultra Compact Design

- FlexRibbons™ are rolled up into compact 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 30% smaller diameter (52% volume reduction) over traditional indoor/outdoor 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 200 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 ICEA 696 and with relevant EIA/TIA-455 series FOTPs for fiber optic cables

Flame Retardant Construction

- Riser design complies with UL 1666 and is OFNR and OFNG-FT4 rated

Registered Supplier

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

PERFORMANCE SPECIFICATIONS

Minimum Bend Diameter (Diameter = Radius x 2)		
Tensile Rating	N	lbf
Installation	2700	600
Residual	800	180
Temperature Ratings		
	°C	°F
Operation	-20 to +70	-4 to +158
Installation	-10 to +60	+14 to +140
Storage/Shipping	-40 to +70	-40 to +158

NOMINAL DESIGN PARAMETERS

Fiber Count		864	1728
Number of Tubes		6	6
Number of Ribbons/Tube		12	24
Fibers/Tube		144	288
Buffer Tube OD	mm	4.7	7.2
	inches	0.19	0.28
Cable OD	mm	18.5	26.0
	inches	0.73	1.02
Weight	kg/km	299	517
	lb/kft	201	347
Maximum Length	m	10,073	5,680
	ft	33,047	18,636
Duct Size/Fill %		1"/73%	1½"/68%

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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 AND CRUSH		
Fiber Count	864	1728
Minimum Bend Diameter (Diameter = Radius x 2)		
Installation: Wheel/Capstan	29in(74cm)	42in(108cm)
Long Term: Coil/Slack/Bend	15in(39cm)	21in(55cm)
Minimum Bend Radius (Diameter = Radius x 2)		
Installation: Wheel/Capstan	20 x Cable OD	
Long Term: Coil/Slack/Bend	10 x Cable OD	
Crush Resistance		
Short/Long Term (N/cm)	220/80	220/110

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 FlexRibbon (Black Jacket) RRLFK = MassLink Indoor Only Riser FlexRibbon (Yellow Jacket)
3	FIBER GROUPING 12 = 12f FlexRibbons

FIBER INFORMATION	
4	FIBER TYPE SINGLE-MODE 21 = Bend Insensitive 200 μm Single-Mode (ITU G.657.A1 & G.652.D)
5	FIBER COUNT 864 and 1728 fibers

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

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