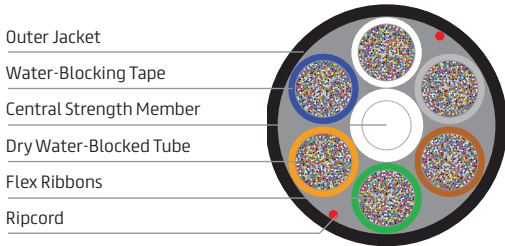


# 576 to 1728F MassLink™ Indoor and Indoor/Outdoor with FlexRibbon™ 250 μm Fibers

# Prysmian



## OVERVIEW

MassLink™ with FlexRibbon™ Technology provides an ultracompact 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.

## FEATURES AND BENEFITS

### 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 OFNG-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, LSZH jacket material

### Registered Supplier

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

PERFORMANCE SPECIFICATIONS				
Design	576-1728f OFNR/FT4		1152-1728f OFNG-LS/FT4 ST1	
<b>Tensile Rating</b>	<b>N</b>	<b>lbf</b>	<b>N</b>	<b>lbf</b>
Installation	2,700	600	2,700	600
Residual	800	180	800	180
<b>Crush Resistance</b>	<b>N/cm</b>	<b>lbf/in</b>	<b>N/cm</b>	<b>lbf/in</b>
Short/ long Term	220/110	125/63	220/110	125/63
<b>Temperature Ratings</b>	<b>°C</b>	<b>°F</b>	<b>°C</b>	<b>°F</b>
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
Duct Size/% Fill	1¼" / 74%		1½" / 70%	

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

Fiber Count Range	Recommended Fiber Count	Recommended Prysmian** Part Number	Number of Tubes	Ribbons per Tube	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters

## INDOOR/OUTDOOR

### MassLink™ Indoor & Indoor/Outdoor with FlexRibbon™ | OFNR/FT4

576-1728	576	RRIOLFK-12-AA-576-BB	6	12	144	0.25	6.4	0.93	23.6	286	432	23,774	7,246
	864	RRIOLFK-12-AA-864-BB											
	1152	RRIOLFK-12-AA-1152-BB	6	24	288	0.29	7.4	1.05	26.6	355	529	18,715	5,704
	1728	RRIOLFK-12-AA-1728-BB											

### MassLink™ Indoor & Indoor/Outdoor with FlexRibbon™ | LSZH – OFNG-LS/FT4 ST1

1152-1728	1152	RZIOLFK-12-AA-1152-BB	6	24	288	0.29	7.4	1.05	26.7	372	553	16,670	5,080
	1728	RZIOLFK-12-AA-1728-BB											

## INDOOR ONLY

### MassLink™ Indoor Only with FlexRibbon™ | OFNR/FT4

576-1728	576	RRLFK-12-AA-576-BB	6	12	144	0.25	6.4	0.93	23.6	286	432	23,774	7,246
	864	RRLFK-12-AA-864-BB											
	1152	RRLFK-12-AA-1152-BB	6	24	288	0.29	7.4	1.05	26.6	355	529	18,715	5,704
	1728	RRLFK-12-AA-1728-BB											

### MassLink™ Indoor Only FlexRibbon™ | OFNG-LS/FT4 ST1

1152-1728	1152	RZLFK-12-AA-1152-BB	6	24	288	0.29	7.4	1.05	26.7	372	553	16,670	5,080
	1728	RZLFK-12-AA-1728-BB											

\*\*Where AA equals glass type and BB equals attenuation code

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

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 below

**Example:** 1728 count all-dielectric MassLink with FlexRibbon Technology with G657.A1 bend insensitive fiber (printed in feet)

1	2	3	4	5	6
LENGTH MARKINGS	PRODUCT FAMILY	CONSTRUCTION	FIBER GROUPING	FIBER TYPE	FIBER COUNT
F	RRIOLFK	12	B1	1728	E1

PART NUMBER CONSTRUCTION	
<b>1</b>	<b>LENGTH MARKINGS</b>
F = Feet or M = Meters	
<b>2</b>	<b>PRODUCT FAMILY &amp; CONSTRUCTION</b>
RRIOLFK = MassLink Indoor/Outdoor Riser (Black Jacket)	
RRLFK = MassLink Indoor Only Riser (Yellow Jacket)	
RZIOLFK = 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	
<b>3</b>	<b>FIBER GROUPING</b>
12 = 12f per tube	

FIBER INFORMATION		
<b>4</b>	<b>FIBER TYPE</b>	
SINGLE-MODE		
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)		
<b>5</b>	<b>FIBER COUNT</b>	
576 to 1728 fibers		
<b>6</b>	<b>FIBER GRADE</b>	
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. Other cable constructions and fiber performance grades available on request.