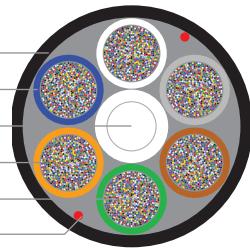


864 to 1728F MassLink™ Indoor and Indoor/Outdoor with FlexRibbon™

250µm Fibers, 12 or 16 Fibers per Ribbon



OVERVIEW

MassLink™ with FlexRibbon™ Technology provides an ultra compact indoor/outdoor cable design that contains 864 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 250µm 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
- FlexRibbons are compatible with mass fusion heat strippers, cleavers, and splice machines
- Uses standard 250µm 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 design** complies with UL 1685 type 2 test with smoke measurement and NFPA 130 and is OFNG-ST1 rated, LSZH jacket material
- LSZH, Riser and CPR design** complies with UL1666 and is OFNR and OFNG-FT4 rated, and complies with UL 1685 type 2 test with smoke measurement and NFPA 130 and is FT4 ST1 rated, and rated to CPR rating Cca-s1b,d0,a1, and is LSZH jacket material

Registered Supplier

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

PERFORMANCE SPECIFICATIONS

Design	864-1728f OFNR/FT4		1152-1728f LSZH	
Tensile Rating	N	Ibf	N	Ibf
Installation	2,700	600	2,700	600
Residual	800	180	800	180
Crush Resistance	N/cm	Ibf/in	N/cm	Ibf/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
Duct Size/% Fill	864f 1 1/4" / 76%	1152-1728f 1 1/2" / 70%	1152-1728 LSZH 1 1/2" / 70%	1728 Riser/ LSZH 1 1/2" / 74%

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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

INDOOR/OUTDOOR

12 Fiber Ribbons - MassLink™ Indoor & Indoor/Outdoor with FlexRibbon™ | OFNR/FT4

864-1728	864	RRIOLFK-12-AA-864-BB	6	12	144	0.26	6.6	0.95	24.2	291	431	20,870	6,361
	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											

12 Fiber Ribbons - MassLink™ Indoor & Indoor/Outdoor with FlexRibbon™ | LSZH - OFNG 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											

12 & 16 Fiber Ribbons - MassLink™ Indoor & Indoor/Outdoor with FlexRibbon™ | Riser: OFNR/FT4 ST1 CPR: Cca-s1b,d0,a1

12 Fiber Ribbons	1728	RRZIOLFK-12-AA-1728-BB	6	24	288	0.29	7.4	1.11	28.1	428	637	15,420	4,700
16 Fiber Ribbons	1728	RRZIOLFK-16-AA-1728-BB	6	18									

INDOOR ONLY

12 Fiber Ribbons - MassLink™ Indoor Only with FlexRibbon™ | OFNR/FT4

864-1728	864	RRLFK-12-AA-864-BB	6	12	144	0.26	6.6	0.95	24.2	291	431	20,870	6,361
	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											

12 Fiber Ribbons - MassLink™ Indoor Only FlexRibbon™ | LSZH - OFNG 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											

12 & 16 Fiber Ribbons - MassLink™ Indoor Only FlexRibbon™ | LSZH - OFNR/FT4 ST1 CPR: Cca-s1b,d0,a1

12 Fiber Ribbons	1728	RRZLFK-12-AA-1728-BB	6	24	288	0.29	7.4	1.11	28.1	428	637	15,420	4,700
16 Fiber Ribbons	1728	RRZLFK-16-AA-1728-BB	6	18									

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

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250µm Fibers, 12 or 16 Fibers per Ribbon



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	864	1152-1728		
Flame Rating	OFNR/FT4	OFNR/FT4	OFNG ST1	OFNR/FT4 ST1 - CPR Cca
Minimum Bend Diameter (Diameter = Radius x 2)				
Installation: Wheel/Capstan	38in (97cm)	42in (108cm)	42in (108cm)	44in (112cm)
Long Term: Coil/Slack/Bend	20in (51cm)	22in (56cm)	22in (56cm)	23in (59cm)
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.A2 bend insensitive fiber (printed in feet)

1 LENGTH MARKINGS 2 PRODUCT FAMILY 3 FIBER GROUPING 4 FIBER TYPE 5 FIBER COUNT 6 FIBER GRADE

F – **RRIOLFK** – **12** – **B2** – **1728** – **E1**

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY & CONSTRUCTION

RRIOLFK = MassLink Indoor/Outdoor Riser (Black Jacket)

RRLFK = MassLink Indoor Only Riser (Yellow Jacket)

RZIOLFK = MassLink Indoor/Outdoor LSZH OFNG ST1 (Black Jacket) – 1152 to 1728f only

RZLFK = MassLink Indoor Only LSZH OFNG ST1 (Yellow Jacket) – 1152 to 1728f only

RRZIOLFK = MassLink Indoor/Outdoor Riser/CPR (Cca)/LSZH (Black Jacket) - 1728f only

RRZLFK = MassLink Indoor Only Riser/CPR (Cca)/LSZH (Yellow Jacket) - 1728f only

3 FIBER GROUPING

12 = 12f per ribbon

16 = 16f per ribbon

FIBER INFORMATION

4 FIBER TYPE

SINGLE-MODE

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)

5 FIBER COUNT

864 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 & B2

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.

