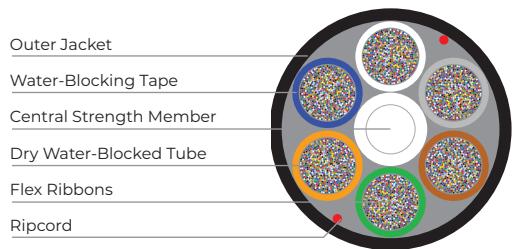


# 864 and 1728F MassLink™ Indoor/Outdoor Riser & LSZH CPR with FlexRibbon® 200µm Fibers, 12 or 16 fibers per Ribbon



## OVERVIEW

MassLink™ with FlexRibbon® Technology provides an ultracompact 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 or 288 fiber tubes. While FlexRibbon provides high packing density, these 200µm 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 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
- FlexRibbons are compatible with mass fusion heat strippers, cleavers, and splice machines
- Uses standard 200 um coated bend-insensitive fiber (ITU G657.A1/A2)

### 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

### Tube Coil vs Sleeved Coil Ribbon Storage

- Tube Coil Cables** - These cables are made with larger, more robust tubes so the cable can be used in ribbon storage without kinking. These tubes are able to be coiled without the need for sleeves/furcation.
- Sleeved Coil Cables** - These cables are designed with smaller, more condensed tubes to provide a more compact cable. Therefore, the ribbons will need sleeved/furcation tubing to be coiled for storage without kinking.

### Flame Retardant Construction

- Riser designs are tested according to UL1666 and UL1685 and are listed as OFNR-FT4 and OFNG
- LSZH CPR designs comply with UL1666 and 1685, and are listed as OFNR-ST1, OFNG, FT4-ST1
  - Additional EU Listing:
    - 864f & 1728f (sleeved coil): CPR Cca-s1b,d0,a1
    - 1728f (tube coil): CPR B2ca-s1b,d0,a1

### Registered Supplier

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

PERFORMANCE SPECIFICATIONS				
Fiber Count	864		1728	
Tensile Rating	N	lbf	N	lbf
Installation	2,700	600	2,700	600
Residual	800	180	800	180
Crush Resistance	N/cm	(lbf/in)	N/cm	(lbf/in)
OFNR/FT4	220/80 (125/46)		220/110 (125/63)	
LSZH	220/110 (125/63)		220/110 (125/63)	
Temperature Ratings	°C		°F	
Operation	-30 to +70		-22 to +158	
Installation	-10 to +60		+14 to +140	
Storage/Shipping	-40 to +70		-40 to +158	
Duct Size/% Fill				
OFNR/FT4	1"	73%	1 1/4"	58%
LSZH/CPR/OFNR/FT4	1"	74%	1 1/4"	59%
			1 1/2"	68%
			1 1/2"	73%

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## INDOOR/OUTDOOR

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

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian* Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
OFNR/FT4	576-864	Sleeved Coil	RR1OLF-XX-AA-864-BB	6	144	0.19	4.7	0.73	18.5	201	299	33,047	10,073
OFNR/FT4	1152-1728	Tube Coil	RR1OLF-XX-AA-1728-BB	6	288	0.28	7.2	1.02	26.0	347	517	18,000	5,500

### MassLink™ Indoor/Outdoor with FlexRibbon | LSZH and OFNR/FT4 -ST1

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian* Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
LSZH/OFNR-ST1/FT4-ST1	576	Sleeved Coil	RRZIOLF-XX-AA-576-BB	4 out of 6	144	0.19	4.7	0.74	18.9	207	309	34,120	10,400
LSZH/OFNR-ST1/FT4-ST1	1152	Sleeved Coil	RRZIOLF-XX-AA-1152-BB	4 out of 6	288	0.25	6.2	0.97	24.5	390	580	15,748	4,800

### MassLink™ Indoor/Outdoor with FlexRibbon | LSZH-CPR and OFNR/FT4 -ST1

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian* Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
Cca/OFNR-ST1/FT4-ST1	864	Sleeved Coil	RRZIOLF-XX-AA-864-BB	6	144	0.19	4.7	0.74	18.9	207	309	34,120	10,400
Cca/OFNR-ST1/FT4-ST1	1728	Sleeved Coil	RRZIOLF-XX-AA-1728-BB	6	288	0.25	6.2	0.97	24.5	390	580	15,748	4,800
B2ca/OFNR-ST1/FT4-ST1	1728	Tube Coil	RRZIOLFW-XX-AA-1728-BB	6	288	0.29	7.2	1.09	27.8	421	626	15,748	4,800

## INDOOR ONLY

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

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian** Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
OFNR/FT4	864	Sleeved Coil	RRLFK-XX-AA-864-BB	6	144	0.19	4.7	0.69	17.5	201	299	33,047	10,073
OFNR/FT4	1728	Sleeved Coil	RRLFK-XX-AA-1728-BB	6	288	0.24	6.4	0.87	22.0	255	379	18,000	5,500
OFNR/FT4	1152-1728	Tube Coil	RRLFWK-XX-AA-1728-BB	6	288	0.28	7.2	1.02	26.0	347	517	18,000	5,500

### MassLink™ Indoor Only with FlexRibbon | LSZH and OFNR/FT4 -ST1

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian* Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
LSZH/OFNR-ST1/FT4-ST1	576	Sleeved Coil	RRZLKF-XX-AA-576-BB	4 out of 6	144	0.19	4.7	0.74	18.9	207	309	34,120	10,400
LSZH/OFNR-ST1/FT4-ST1	1152	Sleeved Coil	RRZLKF-XX-AA-1152-BB	4 out of 6	288	0.25	6.2	0.97	24.5	390	580	15,748	4,800

### MassLink™ Indoor Only with FlexRibbon | LSZH-CPR and OFNR/FT4 -ST1

Flame Rating	Fiber Count	Tube Storage	Recommended Prysmian* Part Number	Number of Tubes	Fibers per Tube	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
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Cca/OFNR-ST1/FT4-ST1	1728	Sleeved Coil	RRZLKF-XX-AA-1728-BB	6	288	0.25	6.2	0.97	24.5	390	580	15,748	4,800
B2ca/OFNR-ST1/FT4-ST1	1728	Tube Coil	RRZLFWK-XX-AA-1728-BB	6	288	0.29	7.2	1.09	27.8	421	626	15,748	4,800

\*Where XX equals number of fibers per ribbon, AA equals glass type and BB equals attenuation code

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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				
Fiber Count	864	1728		
Flame Rating	OFNR/FT4	LSZH/CPR/ OFNR-LS/ FT4-ST1	OFNR/FT4	LSZH/CPR/ OFNR-FT1/ FT4-ST1
Minimum Bend Diameter (Diameter = Radius x 2)				
Installation: Wheel/Capstan	29in (74cm)	30in (76cm)	42in (108cm)	44in (111cm)
Long Term: Coil/Slack/Bend	15in (39cm)	16in (38cm)	21in (55cm)	23in (58cm)
Minimum Bend Diameter (Diameter = Radius x 2)				
Installation: Wheel/Capstan Diameter	40 x Cable OD			
Long Term: Coil/Slack/Bend Diameter	20 x Cable OD			

## Ordering Guide

The Prysmian 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 bend insensitive fiber (printed in feet)



### PART NUMBER CONSTRUCTION

#### 1 LENGTH MARKINGS

F = Feet or M = Meters

#### 2 PRODUCT FAMILY & CONSTRUCTION

RRIOLFK = MassLink I/O Riser FlexRibbon with **Sleeved Coil** (Black Jacket)

RRIOLFWK = MassLink I/O Riser FlexRibbon with **Tube Coil** (Black Jacket)

RRZIOLFK = MassLink I/O CPR & Riser FlexRibbon with **Sleeved Coil** (Black Jacket)

RRZIOLFWK = MassLink I/O CPR & Riser FlexRibbon with **Tube Coil** (Black Jacket)

RRLFK = MassLink Indoor Riser FlexRibbon with **Sleeved Coil** (Yellow Jacket)

RRLFWK = MassLink Indoor Riser FlexRibbon with **Tube Coil** (Yellow Jacket)

RRZLFK = MassLink Indoor CPR & Riser FlexRibbon with **Sleeved Coil** (Yellow Jacket)

RRZLFWK = MassLink Indoor CPR & Riser FlexRibbon with **Tube Coil** (Yellow Jacket)

#### 3 FIBER GROUPING

12 = 12f per ribbon

16 = 16f per ribbon

### FIBER INFORMATION

#### 4 FIBER TYPE

##### SINGLE-MODE

2X = BBXS200 Bend Insensitive 200µm Single-Mode (ITU G.657.A2 & G.652.D)

22 = 200 µm Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D)

#### 5 FIBER COUNT

864 and 1728 fibers

#### 6 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
EA = 0.5/0.5/0.5	1310/1383/1550	2X, 22

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.

