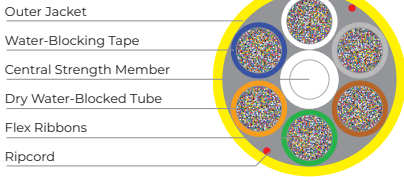
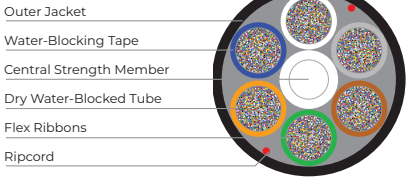


864 and 1728F MassLink™ Indoor & Indoor/Outdoor
Riser & LSZH CPR with FlexRibbon®
200µm Fibers, 12 or 16 fibers per Ribbon



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

- 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)
	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 Fill	1" Duct	1¼" Duct	Sleeved Coil	Tube Coil
Duct Size / % Fill	1" / 74%	1¼" / 59%	1½" / 65%	1½" / 73%



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



INDOOR/OUTDOOR (Black Jacket)

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	RRZIOLFBK-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	RRZIOLFBK-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	RRZIOLFBWK-XX-AA-1728-BB	6	288	0.29	7.2	1.09	27.8	421	626	15,748	4,800

INDOOR ONLY (Yellow Jacket)

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	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters
Cca/OFNR-ST1/FT4-ST1	864	Sleeved Coil	RRZLFBK-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	RRZLFBK-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	RRZLFBWK-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



864 and 1728F MassLink™ Indoor & Indoor/Outdoor Riser & LSZH CPR with FlexRibbon®

200µm 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	1728	
Minimum Bend Diameter (Diameter = Radius x 2)			
		Sleeved Coil	Tube Coil
Installation: Wheel/Capstan	30in (76cm)	39in (98cm)	44in (111cm)
Long Term: Coil/Slack/Bend	16in (38cm)	20in (51cm)	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)

1	LENGTH MARKINGS	2	PRODUCT FAMILY	3	FIBER GROUPING	4	FIBER TYPE	5	FIBER COUNT	6	FIBER GRADE
	F		RRZLFBK		12		2X		1728		EA

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
	F = Feet or M = Meters
2	PRODUCT FAMILY & CONSTRUCTION
	RRZIOLFBK = MassLink I/O CPR & Riser FlexRibbon with Sleeved Coil (Black Jacket)
	RRZIOLFBWK = MassLink I/O CPR & Riser FlexRibbon with Tube Coil (Black Jacket)
	RRZLFBK = MassLink Indoor CPR & Riser FlexRibbon with Sleeved Coil (Yellow Jacket)
	RRZLFBWK = 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)
EA = 0.5/0.5/0.5	1310/1383/1550
Fiber Type	
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.

