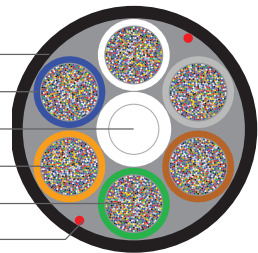


1728F MassLink™ Indoor/Outdoor Riser with FlexRibbon™ 200 μm Fibers



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 1728 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in small diameter 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 or A2)

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 design complies with UL 1666 and is OFNR and OFN-FT4 rated

Registered Supplier

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

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PERFORMANCE SPECIFICATIONS

Minimum Bend Diameter (Diameter = Radius x 2)

Wheel/Capstan	42 inches (108 cm)
Coil/Bend	21 inches (55 cm)

Minimum Bend Radius

Installation/Dynamic	20 x Cable OD
Long Term/Static	10 x Cable OD

Tensile Rating	N	lbf
Installation	2700	600
Residual	800	180

Crush Resistance	N/cm	lbf/in
Short/ Long Term	220/110	125/63

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		1728
Tube Positions		6
Number of Ribbons/Tube		24
Buffer Tube OD	(mm)	7.2
	(inches)	0.28
Cable OD	(mm)	26.0
	(inches)	1.02
Weight	(kg/km)	517
	(lb/kft)	347
Maximum Length	(m)	4,200
	(ft)	13,780
Fiber / Sub Unit	6 Units x 288f / Unit	

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	■ ■ ■ ■

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.

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 FIBER GROUPING	4 FIBER TYPE	5 FIBER COUNT
F	RRIOLFK	12	21	1728

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY & CONSTRUCTION
RRIOLFK = MassLink™ Indoor/Outdoor Riser FlexRibbon	
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)	
22 = Bend Insensitive 200 μm Single-Mode (ITU G.657.A2 & .B2 & G.652.D)	
5	FIBER COUNT
1728 fibers	

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

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