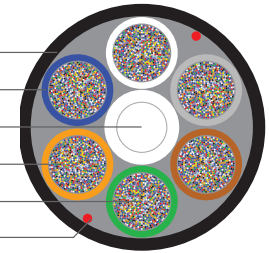


## 1728F MassLink™ Indoor/Outdoor Riser with FlexRibbon™ 200 μm Fibers



- 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 ICEA 640 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

### Prysmian Group

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### PERFORMANCE SPECIFICATIONS

#### Minimum Bend Diameter (Diameter = Radius x 2)

Wheel/Capstan	42 inches (108 cm)
Coil/Bend	21 inches (54 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	-40 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	
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.



PART NUMBER CONSTRUCTION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY & CONSTRUCTION	RRIOLFK = MassLink™ Indoor/Outdoor Riser FlexRibbon
<b>3</b> FIBER GROUPING	12 = 12f FlexRibbons

FIBER INFORMATION	
<b>4</b> 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.A1 & .B2 & G.652.D)
<b>5</b> 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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