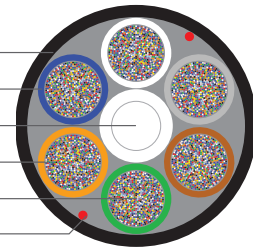


1728F MassLink™ Indoor/Outdoor with FlexRibbon™ 250 μm Fibers



- 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 250 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 250 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

Prysmian Group

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Registered Supplier

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

PERFORMANCE SPECIFICATIONS

Minimum Bend Diameter (Diameter = Radius x 2)

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

Minimum Bend Radius

Dynamic	20 x Cable OD
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

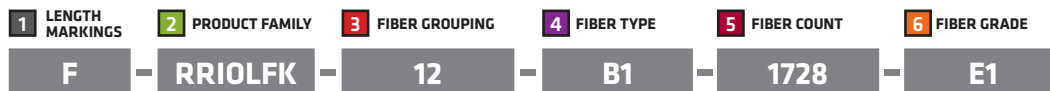
NOMINAL DESIGN PARAMETERS

Fiber Count	1728	
Tube Positions	6	
Number of Ribbons/Tube	24	
Buffer Tube OD	(mm)	7.4
	(inches)	0.29
Cable OD	(mm)	26.6
	(inches)	1.05
Weight	(kg/km)	529
	(lb/kft)	355
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	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY & CONSTRUCTION	RRIOLFK = MassLink™ Indoor/Outdoor Riser
3 FIBER GROUPING	12 = 12f Flex-Ribbons

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

FIBER INFORMATION		
4 FIBER TYPE	SINGLE-MODE	
	B1 = Bend Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
	CU = Corning™ Ultra 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	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, CU, or B2

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