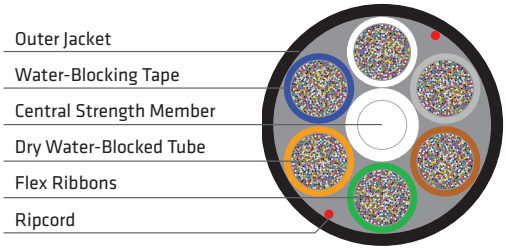
Prysmian Group

PRYSMIAN
Draka
General Cable

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



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 um 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

PERFORMANCE SPECIFICATIONS		
Minimum Bend Diameter (Diameter = Radius x 2)		
Wheel/Capstan	42 inches (108 cm)	
Coil/Bend	22 inches (56 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	-30 to +70	-22 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	

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500A DS155-1728-250 MASSLINK FLEX 1728 250UM INDOOR-OUTDOOR 02-20

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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	

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		6 FIBER GRADE
F	–	RRIOLFK	–	12	–	B1	–	1728	–	E1

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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