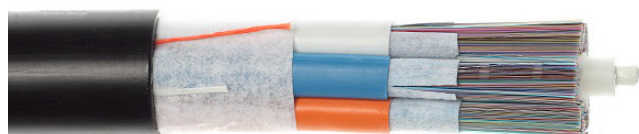
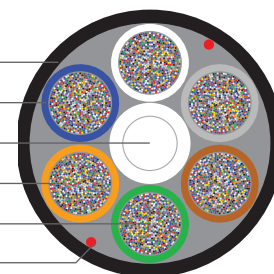


864F MassLink™ with FlexRibbon™ Technology 250 μm Fibers



- PE Outer Jacket
- Water-Blocking Tape
- Central Strength Member
- Dry Water-Blocked Tube
- Flex Ribbons
- Ripcord



Overview

MassLink™ with FlexRibbon™ Technology provides a compact outside plant cable design that contains 864 bend insensitive fibers. By using FlexRibbon technology, ribbons are rolled up and packed together in small diameter 144 fiber sub units. While FlexRibbon™ provides high packing density, these 250 μm fiber ribbons still provide the advantages of mass fusion splicing.

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

Registered Supplier

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

PERFORMANCE SPECIFICATIONS

Minimum Bend Diameter (Diameter = Radius x 2)

Wheel/Capstan	35 inches (89 cm)
Coil/Bend	18 inches (46 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	-30 to +70	-22 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +70	-40 to +158

NOMINAL DESIGN PARAMETERS

Fiber Count	864	
Tube Positions	6	
Number of Ribbons/Tube	12	
Cable OD	(mm)	21.9
	(inches)	0.86
Weight	(kg/km)	300
	(lb/kft)	201
Maximum Length	(m)	5,300
	(ft)	17,390
Duct Size / % Fill	1.25" / 69%	
Fiber / Sub Unit	6 Units x 144f / Unit	

RIBBON COLOR CODE	
Ribbon #	Marking
1	
2	
3	
4	
5	■
6	■
7	■
8	■
9	■
10	■ ■
11	■ ■
12	■ ■

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: 864 count all-dielectric MassLink with FlexRibbon Technology with G657.A1 bend insensitive fiber and 0.40/0.40/0.30 dB/km attenuation.



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	RLF = MassLink with FlexRibbon Technology
3 CONSTRUCTION	1JKT = Single Jacket
4 FIBER GROUPING	12 = 12f Flex-Ribbons

FIBER INFORMATION	
5 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)
6 FIBER COUNT	864 fibers
7 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

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

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