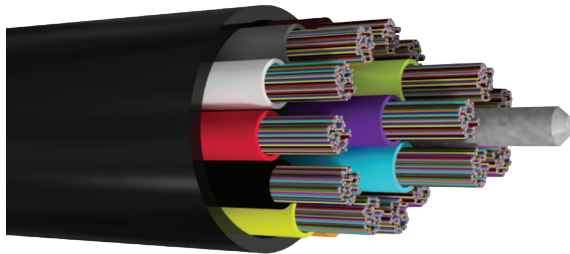
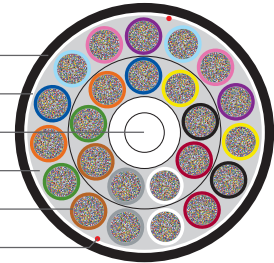


3456F MassLink™ with FlexRibbon™ Technology 200 μm Fibers - 144 Fibers per Tube



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



Overview

MassLink™ with FlexRibbon™ Technology provides an ultra-compact outside plant cable design that contains 3456 bend insensitive fibers, small enough to fit into a 1.50" duct. 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 200 μm fiber ribbons still provide the advantages of mass fusion splicing.

Ultra Compact Design

- FlexRibbons™ are rolled up into compact 144 fiber sub units for easier routing
- Significantly smaller diameter and lighter weight cables allow for easier installation and the use of smaller ducts
- A 3456 cable can be installed in a 1.50" duct which maximizes duct space utilization

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 200μm mass fusion heat strippers, cleavers, and splice machines
- Uses 200 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

Registered Supplier

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

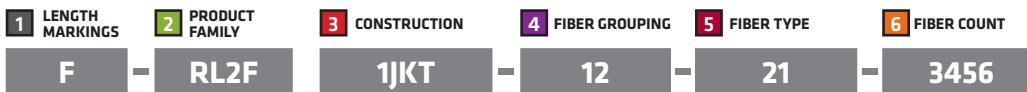
| PERFORMANCE SPECIFICATIONS | | |
|------------------------------|--------------------|---------------|
| Minimum Bend Diameter | | |
| Installation: Wheel/Capstan | 49 inches (124 cm) | |
| Long Term: Coil/Slack/Bend | 26 inches (65 cm) | |
| Minimum Bend Radius | | |
| Installation/Dynamic | 20 x 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 | -2 to +158 |
| Installation | -20 to +60 | -2 to +140 |
| Storage/Shipping | -40 to +70 | -40 to +158 |

| NOMINAL DESIGN PARAMETERS | | |
|---------------------------|----------------------|--------|
| Fiber Count | 3456 | |
| Tube Positions | 24 | |
| Number of Ribbons/Tube | 12 | |
| buffer Tube OD | (mm) | 4.5 |
| | (inches) | 0.18 |
| Cable OD | (mm) | 30.9 |
| | (inches) | 1.22 |
| Weight | (kg/km) | 628 |
| | (lb/kft) | 422 |
| Maximum Cable Length | (meters) | 3,800 |
| | (feet) | 12,500 |
| Duct Size/% Fill | 1½" / 81% | |
| Fibers/Sub Unit | 24 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 below.

Example: 3456 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 RL2F = MassLink with FlexRibbon Technology |
| 3 | CONSTRUCTION 1JKT = Single Jacket |
| 4 | FIBER GROUPING 12 = 12f Flex-Ribbons |

| FIBER INFORMATION | |
|-------------------|---|
| 5 | 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) |
| 6 | FIBER COUNT 3456 fibers |

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