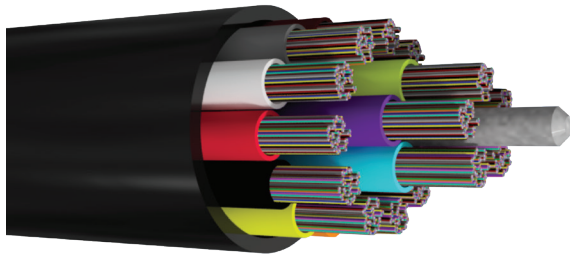
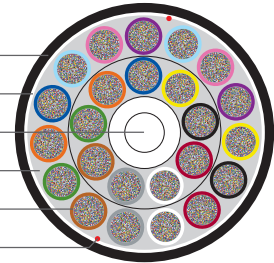


## 3456F MassLink™ with FlexRibbon™ Technology 200 μm Fibers - 144 Fibers per Tube



- 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

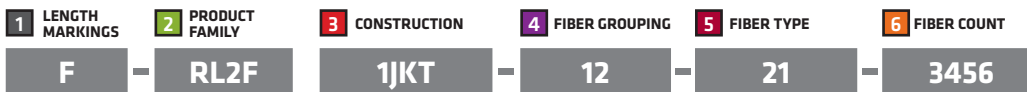
PERFORMANCE SPECIFICATIONS		
<b>Minimum Bend Diameter</b>		
Installation: Wheel/Capstan	49 inches (124 cm)	
Long Term: Coil/Slack/Bend	26 inches (65 cm)	
<b>Minimum Bend Radius</b>		
Installation/Dynamic	20 x Cable OD	
Long Term/Static	10 x Cable OD	
<b>Tensile Rating</b>	<b>N</b>	<b>lbf</b>
Installation	2700	600
Residual	800	180
<b>Crush Resistance</b>	<b>N/cm</b>	<b>lbf/in</b>
Short/ Long Term	220/110	125/63
<b>Temperature Ratings</b>	<b>°C</b>	<b>°F</b>
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)	3,545
	(feet)	11,631
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	
<b>1</b>	<b>LENGTH MARKINGS</b> F = Feet or M = Meters
<b>2</b>	<b>PRODUCT FAMILY</b> RL2F = MassLink with FlexRibbon Technology
<b>3</b>	<b>CONSTRUCTION</b> 1JKT = Single Jacket
<b>4</b>	<b>FIBER GROUPING</b> 12 = 12f Flex-Ribbons

FIBER INFORMATION	
<b>5</b>	<b>FIBER TYPE</b> 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)
<b>6</b>	<b>FIBER COUNT</b> 3456 fibers

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