ezMICRODUCT™ with FlexRibbon Technology
Jetted microduct FlexRibbon cable

Optimized for jetted microduct installations

Overview
Prysmian’s ezMICRODUCT cables provide optimized jetting performance for underground microduct installations or jetting directly over existing cable. Prysmian offers these microduct products for microducts starting at 13 mm or larger, inside diameter. This small diameter cable combines high reliability with reduced size and weight for optimal blowing performance.

With this approach, network operators can maximize duct utilization, defer capital expenditures to match revenue streams, maintain flexibility for future growth, and reduce installation and upgrade costs.

Product Snapshot

Applications
Jetted microduct deployment, installed in microducts or partially filled ducts

Constructions
Central tube construction containing 16 twelve fiber flexible ribbons

Fiber Count
144-192 and 864

Fiber Types
144-192f Bend-insensitive 250um 12f Ribbon SMF
864f Bend-insensitive 200um 24f Ribbon SMF

Performance
ANSI/ICEA 744, IEC, RUS, GR-20

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

Features and Benefits

Optimal Jetting Performance
- Reduced size and weight for installation in microduct
- Optimized for jetted microduct installations

Reduced Total Installed Cost
- Reduce total Installed Cost
- Defer CAPEX by maximizing duct utilization
- Reduce installation and upgrade costs
- Minimize disruption to underground infrastructure
- Quick installation – long lengths and high speeds
- Allow use of ducts already containing cable

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Minimum Microduct ID (mm)</th>
<th>Optimum Microduct ID (mm)</th>
<th>Tube Diameter (mm)</th>
<th>Cable Diameter (mm)</th>
<th>Cable Weight per Load (lb/ft/kg/km)</th>
<th>Bend Radius with Load (in/cm)</th>
<th>Bend Radius No Load (in/cm)</th>
<th>Tensile Load Maximum / Operating (lbf)</th>
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<td>13</td>
<td>14</td>
<td>7.9</td>
<td>0.41 (10.5)</td>
<td>51 (76)</td>
<td>8 (21)</td>
<td>6 (16)</td>
<td>300/90</td>
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<td>864*</td>
<td>16</td>
<td>18</td>
<td>10.9</td>
<td>0.52 (13.1)</td>
<td>96 (142)</td>
<td>14 (35)</td>
<td>11 (26)</td>
<td>300/90</td>
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* Exception: 5m water penetration

Maximum Reel Length: 41,010 feet (12,500 meters)

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### RIBBON COLOR CODE

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### 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.

#### PART NUMBER CONSTRUCTION

1. **LENGTH MARKINGS**
   - **F** = Feet or **M** = Meters

2. **PRODUCT FAMILY**
   - RCFMD = ezMICRODUCT™ with FlexRibbon technology

3. **CONSTRUCTION**
   - 1JKT = Single Jacket

4. **FIBER GROUPING**
   - 12 = 12f per ribbon 144-192f
   - 24 = 24f per ribbon 864f

5. **FIBER TYPE**

6. **FIBER COUNT**
   - 144-192 and 864 fibers

7. **FIBER GRADE**
   - **E1** = 0.40/0.40/0.30, 1310/1383/1550, B1, B2, or CU
   - **EA** = 0.50/0.50/0.50, 1310/1383/1550, 21

Note: For individual fiber breakout, please refer to Prysmian’s FlexRibbon breakout procedure.

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