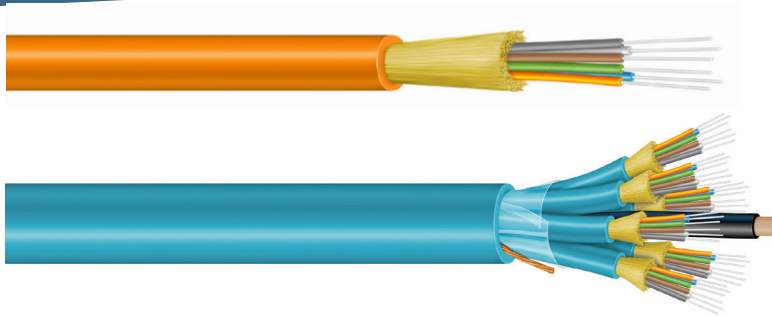




## ezDISTRIBUTION™ Indoor Tight Buffered

Riser and plenum cables



*Prysmian's popular indoor tight buffered cables will assure reliable broadband performance, meet flame retardant safety codes, & support easy field termination*

### Overview

This Prysmian ezDISTRIBUTION cable family packages up to 144 color-coded 900µm tight buffered fibers into a single flame retardant cable. This cable design is available in both riser rated and plenum rated versions for deployment in any indoor application. The tight buffered distribution cable supports standard installation practices and may be easily terminated using established field connectorization methods.

### Features and Benefits

- 900µm tight buffered fibers designed to support rapid field termination
- Industry standard color coding for quick, error-free fiber identification
- Single-unit designs provide space savings and cost advantages
- Available with bend-insensitive single-mode and multimode optical fibers
- Subunit construction improves organization and termination practices
- Flexible, flame-retardant & color coded outer jacket
- Optional interlock armor provides robust protection and supports one-step installation
- Supports all high performance networks including OM4/10 gigabit ethernet systems

### Product Snapshot

|                      |   |
|----------------------|---|
| <b>Applications</b>  | Versatile indoor flame-rated cable providing unsurpassed performance for intrabuilding applications that require crossing floors in multi-level buildings or placement in air handling spaces |
| <b>Constructions</b> | Single-Unit (≤ 24f); subunits (≥ 18f); interlock armor optional   |
| <b>Flame Ratings</b> | Riser (OFNR / OFCR / FT4); LSZH Riser (OFNR / OFCR / FT4); Plenum (OFNP / OFCP / FT6)   |
| <b>Fiber Count</b>   | 2 to 144 (Riser)/2 to 96 (Plenum)   |
| <b>Fiber Types</b>   | Single-mode (ESMF, bend-insensitive) multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)   |
| <b>Standards</b>     | ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, RoHS Compliant  |



**Prysmian Group**

700 Industrial Drive | Lexington, SC 29072

+1-800-879-9862 | +1-800-669-0808 | website: [na.prysmiangroup.com/telecom](http://na.prysmiangroup.com/telecom)

## ezDISTRIBUTION™ | Indoor Tight Buffered

Riser and plenum rated cables

ezDISTRIBUTION | Indoor Riser | 400 Series | OFNR/FT4

| Fiber Count | Fiber Per Subunit | Diameter inches (mm) | Cable Weight lb/kft (kg/km) | Bend Radius Load inches (cm) | Bend Radius No Load inches (cm) | Max Installation Load lbs (newtons) | Max Operation Load lbs (newtons) |
|-------------|-------------------|----------------------|-----------------------------|------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| 2           | single-unit       | 0.19 (4.8)           | 14.8 (22)                   | 3.7 (8.7)                    | 1.9 (4.8)                       | 150 (660)                           | 45 (200)                         |
| 4           | single-unit       | 0.22 (5.6)           | 19.0 (28)                   | 4.4 (9.2)                    | 2.2 (5.6)                       | 150 (660)                           | 45 (200)                         |
| 6           | single-unit       | 0.24 (6.0)           | 21.0 (31)                   | 4.7 (10.0)                   | 2.3 (5.8)                       | 150 (660)                           | 45 (200)                         |
| 8           | single-unit       | 0.25 (6.2)           | 23.0 (34)                   | 4.9 (10.7)                   | 2.5 (6.4)                       | 150 (660)                           | 45 (200)                         |
| 12          | single-unit       | 0.28 (7.0)           | 30.2 (45)                   | 5.5 (12.2)                   | 2.8 (7.1)                       | 150 (660)                           | 45 (200)                         |
| 18          | single-unit       | 0.31 (7.8)           | 35.6 (53)                   | 6.1 (14.3)                   | 3.0 (7.6)                       | 300 (1320)                          | 90 (396)                         |
| 24          | single-unit       | 0.32 (8.2)           | 43.0 (64)                   | 6.4 (16.3)                   | 3.2 (8.2)                       | 300 (1320)                          | 90 (396)                         |
| 18          | 6                 | 0.53 (13.3)          | 100 (149)                   | 10.5 (26.5)                  | 5.2 (13.2)                      | 300 (1320)                          | 90 (396)                         |
| 24          | 6                 | 0.53 (13.3)          | 100 (149)                   | 10.5 (26.5)                  | 5.2 (13.2)                      | 300 (1320)                          | 90 (396)                         |
| 36          | 6                 | 0.65 (16.4)          | 155 (231)                   | 12.9 (32.0)                  | 6.5 (16.5)                      | 600 (2418)                          | 200 (890)                        |
| 48          | 12                | 0.63 (16.0)          | 138 (205)                   | 12.6 (29.0)                  | 6.3 (16.0)                      | 600 (2418)                          | 200 (890)                        |
| 60          | 12                | 0.72 (18.4)          | 168 (250)                   | 14.5 (32.6)                  | 7.2 (18.3)                      | 600 (2418)                          | 200 (890)                        |
| 72          | 12                | 0.79 (20.0)          | 204 (304)                   | 16.0 (35.6)                  | 8.0 (20.0)                      | 600 (2418)                          | 200 (890)                        |
| 96          | 12                | 0.92 (23.4)          | 282 (421)                   | 18.4 (43.7)                  | 9.2 (23.4)                      | 600 (2418)                          | 200 (890)                        |
| 144         | 12                | 0.95 (24.1)          | 333 (495)                   | 19.0 (49.3)                  | 9.5 (24.1)                      | 600 (2418)                          | 200 (890)                        |

### Outer Jacket Color Identification

Orange: Multimode OM1 and OM2+  
 Aqua: Multimode OM3 and OM4  
 Yellow: Single-mode  
 Black: Hybrid

### Temperature Range

Shipping and Storage: (Riser) -40° F to +176° F (-40° C to +80° C)  
 (Plenum) -40° F to +176° F (-40° C to +80° C)  
 Installation: (Riser) +14° F to +140° F (-10° C to +60° C)  
 (Plenum) +32° F to +140° F (0° C to +60° C)  
 Operation: (Riser) -4° F to +176° F (-20° C to +80° C)  
 (Plenum) +32° F to +176° F (0° C to +80° C)

## ezDISTRIBUTION™ | Indoor Tight Buffered

Riser and plenum rated cables

ez DISTRIBUTION | Indoor Plenum | 800 Series | OFNP/FT6

| Fiber Count | Fiber Per Subunit | Diameter inches (mm) | Cable Weight lb/kft (kg/km) | Bend Radius Load inches (cm) | Bend Radius No Load inches (cm) | Max Installation Load lbs (newtons) | Max Operation Load lbs (newtons) |
|-------------|-------------------|----------------------|-----------------------------|------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| 2           | single-unit       | 0.16 (4.2)           | 9 (13)                      | 3.2 (8.2)                    | 1.6 (4.1)                       | 100 (440)                           | 30 (133)                         |
| 4           | single-unit       | 0.17 (4.3)           | 14 (21)                     | 3.4 (8.7)                    | 1.7 (4.4)                       | 100 (440)                           | 30 (133)                         |
| 6           | single-unit       | 0.18 (4.7)           | 15 (22)                     | 3.6 (9.2)                    | 1.8 (4.6)                       | 100 (440)                           | 30 (133)                         |
| 8           | single-unit       | 0.20 (5.0)           | 18 (27)                     | 4.0 (10.2)                   | 2.0 (5.1)                       | 100 (440)                           | 30 (133)                         |
| 12          | single-unit       | 0.23 (5.8)           | 22 (33)                     | 4.6 (11.7)                   | 2.3 (5.9)                       | 100 (440)                           | 30 (133)                         |
| 18          | single-unit       | 0.26 (6.5)           | 32 (48)                     | 5.1 (13.0)                   | 2.6 (6.5)                       | 150 (660)                           | 45 (200)                         |
| 24          | single-unit       | 0.30 (7.6)           | 42 (62)                     | 6.0 (15.3)                   | 3.0 (7.7)                       | 150 (660)                           | 45 (200)                         |
| 18          | 6                 | 0.46 (11.6)          | 83 (124)                    | 8.2 (20.9)                   | 4.1 (10.5)                      | 150 (660)                           | 45 (200)                         |
| 24          | 6                 | 0.46 (11.6)          | 83 (124)                    | 8.2 (20.9)                   | 4.1 (10.5)                      | 150 (660)                           | 45 (200)                         |
| 36          | 6                 | 0.66 (16.7)          | 177 (263)                   | 10.2 (25.9)                  | 5.1 (13.0)                      | 600 (2418)                          | 200 (890)                        |
| 48          | 12                | 0.66 (16.7)          | 166 (247)                   | 10.6 (27.0)                  | 5.3 (13.5)                      | 600 (2418)                          | 200 (890)                        |
| 60          | 12                | 0.71 (17.9)          | 214 (319)                   | 11.8 (30.0)                  | 5.9 (15.0)                      | 600 (2418)                          | 200 (890)                        |
| 72          | 12                | 0.79 (19.9)          | 257 (382)                   | 13.0 (33.1)                  | 6.5 (16.6)                      | 600 (2418)                          | 200 (890)                        |
| 96          | 12                | 0.91 (23.1)          | 356 (530)                   | 16.0 (40.7)                  | 8.0 (20.4)                      | 600 (2418)                          | 200 (890)                        |

### Outer Jacket Color Identification

Orange: Multimode OM1 and OM2+  
 Aqua: Multimode OM3 and OM4  
 Yellow: Single-mode  
 Black: Hybrid

### Temperature Range

Shipping and Storage: (Riser) -40° F to +176° F (-40° C to +80° C)  
 (Plenum) -40° F to +176° F (-40° C to +80° C)  
 Installation: (Riser) +14° F to +140° F (-10° C to +60° C)  
 (Plenum) +32° F to +140° F (0° C to +60° C)  
 Operation: (Riser) -4° F to +176° F (-20° C to +80° C)  
 (Plenum) +32° F to +176° F (0° C to +80° C)

## 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: ezDISTRIBUTION tight buffered | indoor riser | single-unit | 12-62.5/125 multimode fibers (printed in feet)**

|                          |                         |                       |                         |                     |                      |                      |
|--------------------------|-------------------------|-----------------------|-------------------------|---------------------|----------------------|----------------------|
| <b>1</b> LENGTH MARKINGS | <b>2</b> PRODUCT FAMILY | <b>3</b> CONSTRUCTION | <b>4</b> FIBER GROUPING | <b>5</b> FIBER TYPE | <b>6</b> FIBER COUNT | <b>7</b> FIBER GRADE |
| F                        | 400                     | BLANK                 | 00                      | G6                  | 012                  | M2                   |

| CABLE INFORMATION        |   |
|--------------------------|---|
| <b>1</b> LENGTH MARKINGS | F = Feet or M = Meters  |
| <b>2</b> PRODUCT FAMILY  | <p><b>ezDISTRIBUTION</b></p> <p><b>Riser-FT4</b><br/>400 = ezDISTRIBUTION Indoor Riser   Tight Buffer<br/>Flame Rating: OFNR/FT4   Fiber Count 2 to 144</p> <p><b>Plenum-FT6</b><br/>800 = ezDISTRIBUTION Indoor Plenum<br/>Tight Buffer   Flame Rating: OFNP/FT6   Fiber Count 2 to 96</p> |
| <b>3</b> CONSTRUCTION    | <p>(blank) = none</p> <p>AJ = Jacketed aluminum</p> <p>SJ = Jacketed steel</p>  |
| <b>4</b> FIBER GROUPING  | <p>00 = Single unit</p> <p>06 = 6f per subunit</p> <p>12 = 12f per subunit</p>  |

| FIBER INFORMATION    |  |                              |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
|----------------------|--|------------------------------|-----------------|-----------------|----------------|-----------------|-------------------|----------|---------|---------|--------|----------------------|----------|---------|-----|---------|---------------------|----------|----------|------|---------|---------------------|----------|----------|------|---------|-------------|---------------------|-----------------|------------|------------------|----------------|----------------------|------------------|----------------|------------------------------|------------------|----------------|------------------------------|-----------|---------------------|-----------------|------------|--------------|----------|--------------|--------------|----------|-----------------------|
| <b>5</b> FIBER TYPE  | <p><b>SINGLE-MODE</b></p> <p>ES = Enhanced Single-Mode (ITU G.652 C &amp; D)</p> <p>B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 &amp; G.652.D)</p> <p>B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 &amp; B2 &amp; G.652.D)</p>  |                              |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| <b>6</b> FIBER COUNT | <p>002 to 144 fibers - Riser</p> <p>002 to 096 fibers - Plenum</p>   |                              |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| <b>7</b> FIBER GRADE | <table border="1"> <thead> <tr> <th>MULTIMODE</th> <th>Wavelength (nm)</th> <th>Bandwidth (MHz)</th> <th>1 GbE Dist (m)</th> <th>10 GbE Dist (m)</th> </tr> </thead> <tbody> <tr> <td>G6 = OM1 (62.5µm)</td> <td>850/1300</td> <td>200/500</td> <td>300/550</td> <td>33/___</td> </tr> <tr> <td>G5 = OM2+ BIF (50µm)</td> <td>850/1300</td> <td>700/500</td> <td>800</td> <td>150/___</td> </tr> <tr> <td>G3 = OM3 BIF (50µm)</td> <td>850/1300</td> <td>1500/500</td> <td>1000</td> <td>300/___</td> </tr> <tr> <td>G4 = OM4 BIF (50µm)</td> <td>850/1300</td> <td>3500/500</td> <td>1100</td> <td>550/___</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>SINGLE-MODE</th> <th>Attenuation (dB/km)</th> <th>Wavelength (nm)</th> <th>Fiber Type</th> </tr> </thead> <tbody> <tr> <td>EB = 0.7/0.7/0.7</td> <td>1310/1383/1550</td> <td>Enhanced Single-Mode</td> </tr> <tr> <td>EA = 0.5/0.5/0.5</td> <td>1310/1383/1550</td> <td>Bend-Insensitive Single-Mode</td> </tr> <tr> <td>E7 = 0.4/0.4/0.3</td> <td>1310/1383/1550</td> <td>Bend-Insensitive Single-Mode</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>MULTIMODE</th> <th>Attenuation (dB/km)</th> <th>Wavelength (nm)</th> <th>Fiber Type</th> </tr> </thead> <tbody> <tr> <td>M2 = 3.5/1.0</td> <td>850/1300</td> <td>OM1 (62.5µm)</td> </tr> <tr> <td>M3 = 3.0/1.0</td> <td>850/1300</td> <td>OM2+, OM3, OM4 (50µm)</td> </tr> </tbody> </table> <p>Other cable constructions and fiber performance grades available on request.</p> | MULTIMODE                    | Wavelength (nm) | Bandwidth (MHz) | 1 GbE Dist (m) | 10 GbE Dist (m) | G6 = OM1 (62.5µm) | 850/1300 | 200/500 | 300/550 | 33/___ | G5 = OM2+ BIF (50µm) | 850/1300 | 700/500 | 800 | 150/___ | G3 = OM3 BIF (50µm) | 850/1300 | 1500/500 | 1000 | 300/___ | G4 = OM4 BIF (50µm) | 850/1300 | 3500/500 | 1100 | 550/___ | SINGLE-MODE | Attenuation (dB/km) | Wavelength (nm) | Fiber Type | EB = 0.7/0.7/0.7 | 1310/1383/1550 | Enhanced Single-Mode | EA = 0.5/0.5/0.5 | 1310/1383/1550 | Bend-Insensitive Single-Mode | E7 = 0.4/0.4/0.3 | 1310/1383/1550 | Bend-Insensitive Single-Mode | MULTIMODE | Attenuation (dB/km) | Wavelength (nm) | Fiber Type | M2 = 3.5/1.0 | 850/1300 | OM1 (62.5µm) | M3 = 3.0/1.0 | 850/1300 | OM2+, OM3, OM4 (50µm) |
| MULTIMODE            | Wavelength (nm)  | Bandwidth (MHz)              | 1 GbE Dist (m)  | 10 GbE Dist (m) |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| G6 = OM1 (62.5µm)    | 850/1300   | 200/500                      | 300/550         | 33/___          |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| G5 = OM2+ BIF (50µm) | 850/1300   | 700/500                      | 800             | 150/___         |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| G3 = OM3 BIF (50µm)  | 850/1300   | 1500/500                     | 1000            | 300/___         |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| G4 = OM4 BIF (50µm)  | 850/1300   | 3500/500                     | 1100            | 550/___         |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| SINGLE-MODE          | Attenuation (dB/km)  | Wavelength (nm)              | Fiber Type      |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| EB = 0.7/0.7/0.7     | 1310/1383/1550   | Enhanced Single-Mode         |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| EA = 0.5/0.5/0.5     | 1310/1383/1550   | Bend-Insensitive Single-Mode |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| E7 = 0.4/0.4/0.3     | 1310/1383/1550   | Bend-Insensitive Single-Mode |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| MULTIMODE            | Attenuation (dB/km)  | Wavelength (nm)              | Fiber Type      |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| M2 = 3.5/1.0         | 850/1300   | OM1 (62.5µm)                 |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |
| M3 = 3.0/1.0         | 850/1300   | OM2+, OM3, OM4 (50µm)        |                 |                 |                |                 |                   |          |         |         |        |                      |          |         |     |         |                     |          |          |      |         |                     |          |          |      |         |             |                     |                 |            |                  |                |                      |                  |                |                              |                  |                |                              |           |                     |                 |            |              |          |              |              |          |                       |

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2014 All Rights Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless authorized by Prysmian Group. Issued December 2014.