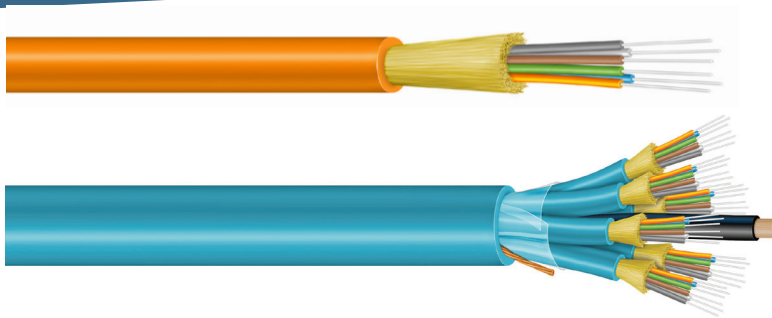




ezDISTRIBUTION™ Indoor Tight Buffered

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

Applications	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
Constructions	Single-Unit (≤ 24f); subunits (≥ 18f); interlock armor optional
Flame Ratings	Riser (OFNR / OFCR / FT4); LSZH Riser (OFNR / OFCR / FT4); Plenum (OFNP / OFCP / FT6)
Fiber Count	2 to 144 (Riser)/2 to 96 (Plenum)
Fiber Types	Single-mode (ESMF, bend-insensitive) multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)
Standards	ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, RoHS Compliant



Prysmian Group

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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)

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

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

FIBER INFORMATION																																																	
5 FIBER TYPE	<p>SINGLE-MODE</p> <p>ES = Enhanced Single-Mode (ITU G.652 C & D)</p> <p>B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)</p> <p>B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D)</p>																																																
6 FIBER COUNT	002 to 144 fibers - Riser 002 to 096 fibers - Plenum																																																
7 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> <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> <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)
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