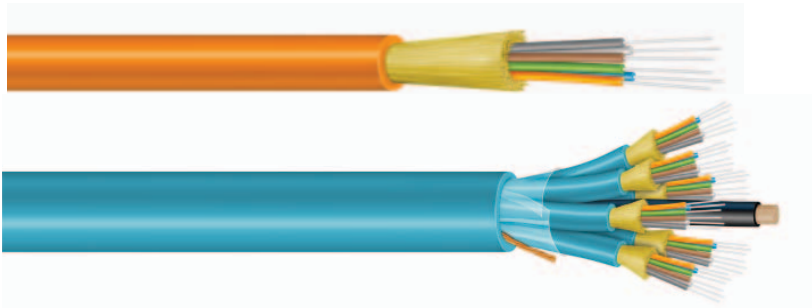


ezDISTRIBUTION™ | Indoor Tight Buffered

Riser and Plenum Rated Cables



Prysmian's popular indoor tight buffered cables will assure reliable broadband performance, meet flame retardant safety codes, and 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 & 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 ($\leq 24f$); Subunits ($\geq 18f$); 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, BendBright®, BendBright-XS®) Multimode (62.5/125-OM1, 50/125-MaxCap-BB-OM2+, OM3 & OM4)
Standards	ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, RoHS Compliant

RoHS
Compliant

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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	0.17 (4.3)	12 (18)	3.4 (8.7)	1.7 (4.4)	150 (660)	45 (200)
4	single-unit	0.18 (4.6)	13 (19)	3.6 (9.2)	1.8 (4.6)	150 (660)	45 (200)
6	single-unit	0.19 (4.8)	14 (21)	3.8 (10.0)	1.9 (4.9)	150 (660)	45 (200)
8	single-unit	0.21 (5.3)	17 (25)	4.2 (10.7)	2.1 (5.4)	150 (660)	45 (200)
12	single-unit	0.24 (6.1)	23 (34)	4.8 (12.2)	2.4 (6.1)	150 (660)	45 (200)
18	single-unit	0.28 (7.1)	35 (52)	5.6 (14.3)	2.8 (7.2)	300 (1320)	90 (396)
24	single-unit	0.32 (8.2)	43 (64)	6.4 (16.3)	3.2 (8.2)	300 (1320)	90 (396)
18	6	0.52 (13.2)	90 (134)	10.4 (26.5)	5.2 (13.2)	300 (1320)	90 (396)
24	6	0.52 (13.2)	90 (134)	10.4 (26.5)	5.2 (13.2)	300 (1320)	90 (396)
36	6	0.63 (16.0)	143 (213)	12.6 (32.0)	6.3 (16.0)	300 (1320)	90 (396)
48	12	0.57 (14.5)	104 (155)	11.4 (29.0)	5.7 (14.5)	300 (1320)	90 (396)
60	12	0.64 (16.3)	127 (189)	12.8 (32.6)	6.4 (16.3)	300 (1320)	90 (396)
72	12	0.70 (17.8)	156 (232)	14.0 (35.6)	7.0 (17.8)	300 (1320)	90 (396)
96	12	0.86 (21.8)	224 (333)	17.2 (43.7)	8.6 (21.9)	300 (1320)	90 (396)
144	12	0.97 (24.6)	304 (452)	19.4 (49.3)	9.7 (24.7)	300 (1320)	90 (396)

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	0.41 (10.3)	73 (108)	8.2 (20.9)	4.1 (10.5)	150 (660)	45 (200)
24	6	0.41 (10.3)	67 (99)	8.2 (20.9)	4.1 (10.5)	150 (660)	45 (200)
36	6	0.51 (12.9)	115 (171)	10.2 (25.9)	5.1 (13.0)	150 (660)	45 (200)
48	12	0.53 (13.3)	123 (183)	10.6 (27.0)	5.3 (13.5)	150 (660)	45 (200)
60	12	0.59 (15.0)	153 (228)	11.8 (30.0)	5.9 (15.0)	150 (660)	45 (200)
72	12	0.65 (16.6)	188 (280)	13.0 (33.1)	6.5 (16.6)	150 (660)	45 (200)
96	12	0.80 (20.4)	317 (471)	16.0 (40.7)	8.0 (20.4)	150 (660)	45 (200)

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)

Prysmian Group

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Sales:

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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 below

EXAMPLE:

ezDISTRIBUTION Tight Buffered | Indoor Riser | Single-Unit | 12-62.5/125 Multimode Fibers Total (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	6S	012	M2

CABLE INFORMATION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	EzDISTRIBUTION Riser-FT4 400 = ezDISTRIBUTION Indoor Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 144 Plenum-FT6 800 = ezDISTRIBUTION Indoor Plenum Tight Buffer Flame Rating: OFNP/FT6 Fiber Count 2 to 96
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

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FIBER TYPE

SINGLE-MODE

ES = Enhanced Single-Mode (ITU G.652 C & D)

BB = BendBright Single-Mode (ITU G.657.A1 & G.652.D)

BX = BendBrightXS Single-Mode (ITU G.657.A2 & B2 & G.652.D)

MULTIMODE

Wavelength (nm)

Bandwidth (MHz)

1 GbE Dist (m)

10 GbE Dist (m)

6S = OM1 (62.5µm)

850/1300

200/500

300/550

33/___

5E = MaxCap-BB-OM2+ (50µm)

850/1300

700/500

800/550

150/___

5F = MaxCap-BB-OM3 (50µm)

850/1300

1500/500

1000/550

300/___

5G = MaxCap-BB-OM4 (50µm)

850/1300

3500/500

1100/550

550/___

6

FIBER COUNT

002 to 144 fibers -Riser

002 to 096 fibers -Plenum

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FIBER GRADE

SINGLE-MODE

Attenuation (dB/km)

Wavelength (nm)

Fiber Type

EB = 0.7/0.7/0.7

1310/1383/1550

Enhanced Single-Mode

EB = 0.7/0.7/0.7

1310/1383/1550

BendBright Single-Mode

EB = 0.7/0.7/0.7

1310/1383/1550

BendBrightXS Single-Mode

MULTIMODE

Attenuation (dB/km)

Wavelength (nm)

M2 = OM1 (62.5µm)

3.5/1.0

850/1300

M3 = MaxCap-BB-OM2+ (50µm)

3.0/1.0

850/1300

M3 = MaxCap-BB-OM3 (50µm)

3.0/1.0

850/1300

M3 = MaxCap-BB-OM4 (50µm)

3.0/1.0

850/1300

Other cable constructions and fiber performance grades available on request.