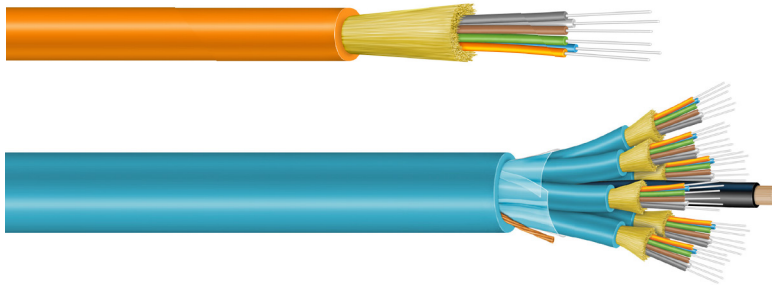




ezDISTRIBUTION™ Indoor Tight Buffered

Riser and plenum cables



Prysmian's popular indoor tight buffered cables will assure reliable broadband performance, meet flame retardant safety codes 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 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 / FT4); Plenum (OFNP / FT6)
Fiber Count	2 to 144 (Riser) & 2-96 (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, CE RoHS Compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



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)	15 (22)	3.7 (8.7)	1.9 (4.8)	150 (666)	45 (200)
4	single-unit	0.22 (5.6)	19(28)	11.0 (28.0)	5.5 (14.0)	150 (666)	45 (200)
6	single-unit	0.19 (4.8)	15(22)	3.75 (9.5)	1.9 (4.25)	150 (666)	45 (200)
8	single-unit	0.21 (5.4)	18 (26)	4 (10.2)	2 (5)	150 (666)	45 (200)
12	single-unit	0.24 (6.2)	23 (34)	4.8 (12.5)	2.4(6.25)	150 (666)	45 (200)
18	single-unit	0.31 (7.8)	36 (53)	6 (15.2)	3(7.6)	300 (1335)	90 (400)
24	single-unit	0.32 (8.1)	43 (64)	6.4(16.25)	3.2 (8.1)	300 (1335)	90 (400)
24	6	0.56 (14.1)	121 (181)	11 (28)	5.5 (14)	600 (2670)	180 (801)
36	6	0.68 (17.2)	187 (279)	14 (36)	7 (18)	600 (2670)	180 (801)
48	12	0.57 (14.5)	125 (193)	11.4 (29)	5.7 (14.5)	600 (2670)	180 (801)
72	12	0.71 (18.0)	185 (276)	14 (36)	7 (18)	600 (2670)	180 (801)
96	12	0.85 (21.6)	272 (405)	17 (43)	8.5 (22)	600 (2670)	180 (801)
144	12	0.90 (22.8)	305 (456)	17.5 (45)	8.75 (22.5)	600 (2670)	180 (801)

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	0.17 (4.2)	9(13)	3.3 (8.4)	1.9 (4.8)	150 (666)	45 (200)
4	single-unit	0.17 (4.3)	14(21)	3.4 (8.6)	1.7 (4.3)	150 (666)	45 (200)
6	single-unit	0.19 (4.8)	16(24)	3.75 (8.6)	1.9 (4.4)	150 (666)	45 (200)
8	single-unit	0.21 (5.4)	18 (28)	4 (10.2)	2 (5)	150 (666)	45 (200)
12	single-unit	0.24 (6.2)	23 (35)	4.9 (12.4)	2.5(6.7)	150 (666)	45 (200)
18	single-unit	0.26 (6.5)	32 (48)	5.1 (13)	2.6(7.5)	150 (666)	45 (200)
24	single-unit	0.30 (7.62)	42 (62)	6 (15.2)	3(7.6)	150 (666)	45 (200)
24	6	0.56 (14.1)	121 (181)	11 (28)	5.5 (14)	600 (2670)	180 (801)
36	6	0.68 (17.2)	187 (279)	13.5 (35)	7 (18)	600 (2670)	180 (801)
48	12	0.62 (15.7)	166 (247)	12.1 (31.5)	5.7 (14.5)	600 (2670)	180 (801)
72	12	0.79 (19.9)	256 (382)	15.7 (40)	7 (18)	600 (2670)	180 (801)
96	12	0.91 (23.1)	355 (530)	18.2 (46)	9.1 (232)	600 (2670)	180 (801)

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
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 144	
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			
SINGLE-MODE				
HB = Single-Mode (ITU G.652 C & D) Low Water Peak				
ES = Enhanced Single-Mode (ITU G.652 C & D)				
CE = Corning™ SMF28e+ Single-Mode				
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)				
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
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/___
GW = OM5 (50µm)	850/1300	3500/500	1200	550/___
6	FIBER COUNT			
002 to 144 fibers - Riser				
002 to 096 fibers - Plenum				
7	FIBER GRADE			
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)		
Other cable constructions and fiber performance grades available on request.				

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