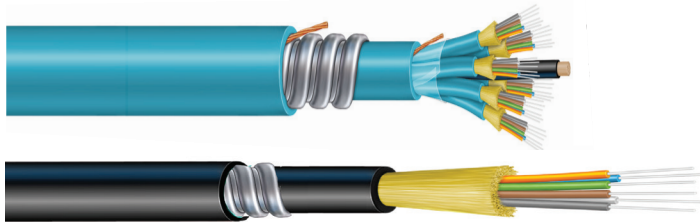


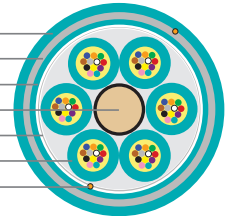


ezINTERLOCK™ | Indoor Tight Buffered

Riser and plenum rated cables



- Outer Jacket
- Interlock Armor
- Inner Jacket
- Central Strength Member
- Water Blocking Material
- Buffer Tube Containing up to 12 Fibers
- Ripcords



Incorporation of a formed, metallic armor outer layer enhances Prysmian's popular indoor tight buffered cables to enable superior crush resistance while ensuring maximum flexibility.

Overview

Prysmian's ezINTERLOCK™ 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 to fulfill fire code requirements. The tight buffered cable design supports standard installation practices and may be easily terminated using established field connectorization methods.

Product Snapshot

Applications	Flame-rated and crush-resistant cable designs providing unsurpassed performance for intrabuilding applications requiring premium mechanical protection to cross floors in multi-level buildings or for placement in air handling spaces.
Constructions	Standard tight buffered cable designs with jacketed interlock armor
Fiber Count	2 to 144 (Riser) / 2 to 96 (Plenum)
Fiber Types	Single-mode (ESMF), multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)
Standards	ANSI/ICEA S-83-596, UL 1666, NFPA-262, CSA C22.2 No 230, Telcordia GR-409, CE RoHS Compliant
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

Features and Benefits

- Interlock armor eliminates need for conduit and supports one-step installation
- 7x improvement in crush resistance over unarmored products
- 900µm tight buffered fibers designed to support rapid field termination
- Single-unit designs provide space savings and cost advantages
- Industry standard color coding for quick, error-free fiber identification
- Sub-unit construction improves organization and termination practices
- Available with bend-insensitive single-mode and multimode optical fibers
- Flexible, flame-retardant, and color coded outer jacket
- Supports all high performance networks including OM4/10 gigabit ethernet systems



ezINTERLOCK™ | Indoor Tight Buffered

Riser and plenum rated cables

Interlock Armor (aluminum)

ezINTERLOCK | Indoor Riser | 400A Series | OFCR/FT4

Fiber Count	Fibers Per Subunit	Diameter Inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Maximum Installation Load lbf (N)	Maximum Operational Load lbf (N)
2	single-unit	0.52 (13.1)	121 (179)	10.4 (26.5)	5.2 (13.2)	100 (445)	30 (133)
4	single-unit	0.55 (14.0)	128 (190)	11.0 (28.0)	5.5 (14.0)	100 (445)	30 (133)
6	single-unit	0.52(13.2)	96 (143)	10.4 (26.5)	5.2(13.2)	100 (445)	30 (133)
8	single-unit	0.54 (13.8)	105 (156)	10.8 (27.6)	5.4 (13.8)	100 (445)	30 (133)
12	single-unit	0.57 (14.6)	119 (177)	11.4 (29.2)	5.7 (14.6)	150 (666)	45 (200)
18	single-unit	0.62 (15.6)	149 (222)	12.3 (31.2)	6.15 (15.6)	300 (1335)	90 (400)
24	single-unit	0.63 (16.5)	161 (240)	12.6 (32.0)	6.3 (16.0)	300 (1335)	90 (400)
18	6	0.85 (21.6)	282 (419)	17.0 (43.2)	8.5 (21.6)	600 (2670)	180 (801)
24	6	0.89 (22.6)	272 (405)	17.8 (45.2)	8.9 (22.6)	600 (2670)	180 (801)
36	6	1.01 (25.7)	398 (592)	20.2 (56.4)	10.1 (25.7)	600 (2670)	180 (801)
48	12	0.91 (23.0)	381 (567)	18.2 (46.0)	9.1 (23.0)	600 (2670)	180 (801)
60	12	1.05 (26.7)	436 (649)	21.0 (53.3)	10.5 (26.7)	600 (2670)	180 (801)
72	12	1.05 (26.5)	495 (736)	21.0 (52.0)	10.5 (26.5)	600 (2670)	180 (801)
96	12	1.19 (30.1)	632 (941)	23.8 (60.2)	11.9 (30.1)	600 (2670)	180 (801)
144	12	1.21 (30.6)	703 (1046)	24.2 (61.2)	12.1 (30.6)	600 (2670)	180 (801)

Interlock Armor (aluminum)

ezINTERLOCK | LSZH Indoor Riser | 600A Series | OFCR-LS/FT4

Fiber Count	Fibers Per Subunit	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Maximum Installation Load lbf (N)	Maximum Operational Load lbf (N)
2	single-unit	0.52 (13.1)	121 (179)	10.4 (26.5)	5.2 (13.2)	100 (445)	30 (133)
4	single-unit	0.55 (14.0)	128 (190)	11.0 (28.0)	5.5 (14.0)	100 (445)	30 (133)
6	single-unit	0.56 (14.2)	132 (196)	11.2 (28.5)	5.6 (14.3)	100 (445)	30 (133)
8	single-unit	0.58 (14.6)	135 (201)	11.6 (29.5)	5.8 (14.8)	100 (445)	30 (133)
12	single-unit	0.59 (14.9)	146 (217)	11.8 (30.0)	5.9 (15.0)	150 (666)	45 (200)
18	single-unit	0.62 (15.6)	149 (222)	12.3 (31.2)	6.15 (15.6)	300 (1335)	90 (400)
24	single-unit	0.63 (16.5)	161 (240)	12.6 (32.0)	6.3 (16.0)	300 (1335)	90 (400)
18	6	0.85 (21.6)	282 (419)	17.0 (43.2)	8.5 (21.6)	600 (2670)	180 (801)
24	6	0.85 (21.6)	272 (405)	17.0 (43.2)	8.5 (21.6)	600 (2670)	180 (801)
36	6	0.98 (24.8)	398 (592)	19.5 (49.5)	9.8 (24.8)	600 (2670)	180 (801)
48	12	0.96 (24.4)	381 (567)	19.2 (48.8)	9.6 (24.4)	600 (2670)	180 (801)
60	12	1.05 (26.7)	436 (649)	21.0 (53.3)	10.5 (26.7)	600 (2670)	180 (801)
72	12	1.12 (28.4)	495 (736)	22.4 (56.9)	11.2 (28.5)	600 (2670)	180 (801)
96	12	1.25 (31.8)	632 (941)	25.0 (63.5)	12.5 (31.8)	600 (2670)	180 (801)
144	12	1.28 (32.5)	703 (1046)	25.6 (65.0)	12.8 (32.5)	600 (2670)	180 (801)

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)	-40° F to +176° F	(-20° C to +80° C)
	(Plenum)	+32° F to +176° F	(0° C to +80° C)

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ezINTERLOCK™ | Indoor Tight Buffered

Riser and plenum rated cables

Interlock Armor (aluminum)

ezINTERLOCK | Indoor Plenum | 800A Series | OFCP/FT6

Fiber Count	Fibers Per Subunit	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Maximum Installation Load lbf (N)	Maximum Operational Load lbf (N)
2	single-unit	0.47 (11.9)	84.0 (125)	9.4 (23.9)	4.5 (11.5)	100 (445)	30 (133)
4	single-unit	0.47 (11.9)	87.0 (129)	9.4 (23.9)	4.5 (11.5)	100 (445)	30 (133)
6	single-unit	0.47 (11.9)	87 (130)	9.4 (23.9)	4.7 (12.0)	100 (445)	30 (133)
8	single-unit	0.48 (12.2)	91 (135)	9.5 (24.1)	4.8 (12.2)	100 (445)	30 (133)
12	single-unit	0.51 (13.0)	95 (142)	10.2 (25.9)	5.1 (13.0)	150 (666)	45 (199.8)
18	single-unit	0.54 (13.6)	114 (170)	10.7 (27.2)	5.4 (13.6)	150 (666)	45 (199.8)
24	single-unit	0.58 (14.7)	131 (195)	11.6 (29.5)	5.8 (14.8)	150 (666)	45 (199.8)
18	6	0.73 (18.5)	167 (248)	14.6 (37.1)	7.3 (18.6)	400 (1800)	120 (540)
24	6	0.73 (18.5)	167 (248)	14.6 (37.1)	7.3 (18.6)	400 (1800)	120 (540)
36	6	0.94 (23.8)	380 (566)	16.0 (40.7)	8.0 (20.4)	400 (1800)	120 (540)
48	12	0.94 (23.8)	370 (550)	16.2 (41.2)	8.1 (20.6)	400 (1800)	120 (540)
60	12	0.99 (25.0)	440 (654)	17.6 (44.7)	8.8 (22.4)	400 (1800)	120 (540)
72	12	1.05 (26.7)	502 (747)	21.3 (47.1)	9.4 (23.9)	600 (2670)	180 (801)
96	12	1.19 (30.2)	642 (955)	21.8 (55.4)	10.9 (27.7)	600 (2670)	180 (801)

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)	-40° 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: Riser tight buffered indoor riser with aluminum ezINTERLOCK™ armor & jacket | 12 fibers per unit | 48 62.5/125 multimode fibers

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	400	AJ	12	G6	048	M2

CABLE INFORMATION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

ezINTERLOCK INDOOR

Riser - FT4

400AJ = ezINTERLOCK™ Riser with Aluminum Interlock Armor Tight Buffer | Flame Rating: OFCR/FT4 | Fiber Count 2 to 144

LSZH Riser - FT4

600AJ = ezINTERLOCK™ Riser with Aluminum Interlock Armor Tight Buffer | Flame Rating: OFCR-LS/FT4 | Fiber Count 2 to 144

Plenum - FT6

800AJ = ezINTERLOCK™ Plenum with Aluminum interlock Armor Tight Buffer | Flame Rating: OFCP/FT6 | Fiber Count 2 to 96

3 CONSTRUCTION

(blank) = none

AJ = Jacketed aluminum

SJ = Jacketed steel

4 FIBER GROUPING

12 = 12f per unit or tube

Outer Jacket Color For Interlock Armor

Cable Type	Standard Jacket Color
Single-Mode Premises	Yellow
Standard Multimode Premises	Orange
Laser-Optimized 50 μm Premises	Aqua

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/___

6 FIBER COUNT

002 to 144 fibers

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 = 0.4/0.4/0.4	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.