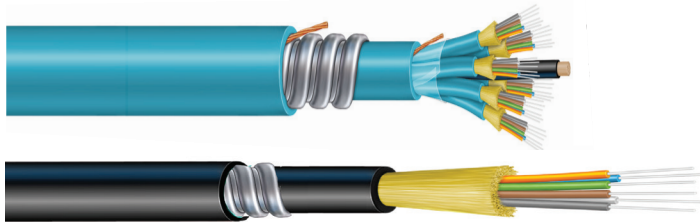


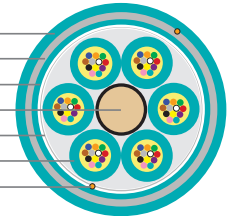


# ezINTERLOCK™ | Indoor/Outdoor Tight Buffered

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/ outdoor 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

<b>Applications</b>	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.
<b>Constructions</b>	Standard tight buffered cable designs with jacketed interlock armor
<b>Fiber Count</b>	2 to 144 (Riser) / 2 to 96 (Plenum)
<b>Fiber Types</b>	Single-mode (ESMF), multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)
<b>Standards</b>	ANSI/ICEA S-83-596, UL 1666, NFPA-262, CSA C22.2 No 230, Telcordia GR-409, CE RoHS Compliant
<b>Registered Supplier</b>	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/Outdoor Tight Buffered

Riser and plenum rated cables

## Interlock Armor (aluminum)

ezINTERLOCK | Indoor-Outdoor Riser | C1181A Series | OFCR/FT4

Fiber Count	Fibers Per Subunit	Diameter inches (mm)	Cable Weight lb/ft (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)	300 (1335)	90 (400)
4	single-unit	0.56 (14.2)	128 (190)	11.2 (28.5)	5.6 (14.3)	300 (1335)	90 (400)
6	single-unit	0.56 (14.2)	132 (196)	11.2 (28.5)	5.6 (14.3)	300 (1335)	90 (400)
8	single-unit	0.57 (14.5)	135 (201)	11.4 (29.0)	5.7 (14.5)	300 (1335)	90 (400)
12	single-unit	0.61 (15.4)	146 (217)	12.2 (31.0)	6.1 (15.5)	300 (1335)	90 (400)
18	single-unit	0.62 (15.8)	149 (222)	12.4 (31.5)	6.2 (15.7)	300 (1335)	90 (400)
24	single-unit	0.63 (16.0)	161 (240)	12.6 (32.0)	6.3 (16.0)	300 (1335)	90 (400)
18	6	0.89 (22.6)	306 (455)	17.8 (45.3)	8.9 (22.6)	600 (2670)	180 (801)
24	6	0.89 (22.6)	296 (440)	17.8 (45.3)	8.9 (22.6)	600 (2670)	180 (801)
36	6	0.99 (25.2)	406 (603)	19.8 (50.3)	9.9 (25.2)	600 (2670)	180 (801)
48	12	1.00 (25.2)	396 (589)	20.0 (50.8)	10.0 (25.4)	600 (2670)	180 (801)
60	12	1.07 (27.2)	444 (660)	21.4 (54.4)	10.7 (27.2)	600 (2670)	180 (801)
72	12	1.15 (29.2)	504 (750)	23.0 (58.5)	11.5 (29.3)	600 (2670)	180 (801)
96	12	1.29 (32.6)	603 (897)	25.8 (65.6)	12.9 (32.8)	600 (2670)	180 (801)
144	12	1.41 (35.8)	713 (1060)	28.2 (71.7)	14.1 (35.9)	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	(-40° C to +80° C)
	(Plenum)	+32° F to +176° F	(0° C to +80° C)

# ezINTERLOCK™ | Indoor/Outdoor Tight Buffered

Riser and plenum rated cables

## Interlock Armor (aluminum)

ezINTERLOCK | Indoor-Outdoor Plenum | C1182AJ 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)	85 (131)	9.4 (23.9)	4.7 (11.9)	150 (666)	45 (199.8)
4	single-unit	0.47 (11.9)	89 (134)	9.4 (23.9)	4.7 (11.9)	150 (666)	45 (199.8)
6	single-unit	0.48 (12.1)	91 (136)	9.6 (24.4)	4.8 (12.2)	150 (666)	45 (199.8)
8	single-unit	0.49 (12.3)	95 (141)	9.8 (24.9)	4.9 (12.5)	150 (666)	45 (199.8)
12	single-unit	0.52 (13.2)	100 (148)	10.4 (26.5)	5.2 (13.2)	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)	186 (276)	14.6 (371)	7.3 (18.6)	400 (1800)	120 (540)
24	6	0.73 (18.5)	188 (279)	14.6 (371)	7.3 (18.6)	400 (1800)	120 (540)
36	6	0.88 (22.3)	323 (481)	17.4 (44.2)	8.7 (22.1)	400 (1800)	120 (540)
48	12	0.88 (22.3)	315 (468)	17.4 (44.2)	8.7 (22.1)	400 (1800)	120 (540)
60	12	0.94 (23.2)	402 (598)	19.0 (48.3)	9.5 (24.2)	400 (1800)	120 (540)
72	12	1.02 (25.5)	463 (689)	20.3 (51.6)	10.2 (25.8)	600 (2670)	180 (801)
96	12	1.14 (28.9)	600 (893)	23.2 (59.0)	11.6 (29.5)	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	(-40° 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 | with aluminum interlock armor & jacket | 12 fibers per unit | 48 62.5/125 multimode fibers**

<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	C1181	AJ	12	G6	048	M2

CABLE INFORMATION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY	<p><b>ezINTERLOCK INDOOR</b></p> <p>Riser - FT4 400AJ = ezDISTRIBUTION™ Riser with Aluminum Interlock Armor Tight Buffer   Flame Rating: OFCR/FT4   Fiber Count 2 to 144</p> <p>Plenum - FT6 800AJ = ezDISTRIBUTION™ Plenum with Aluminum interlock Armor Tight Buffer   Flame Rating: OFCR/FT6   Fiber Count 2 to 96</p> <p><b>ezINTERLOCK INDOOR / OUTDOOR</b></p> <p>Riser - FT4 C1181AJ = ezDISTRIBUTION™ Riser with Aluminum Interlock Armor Tight Buffer   Flame Rating: OFCR/FT4   Fiber Count 2 to 144</p> <p>Plenum - FT6 C1182AJ = ezDISTRIBUTION™ Plenum with Aluminum Interlock Armor Tight Buffer   Flame Rating: OFCR/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	12 = 12f per unit or tube

FIBER INFORMATION																																	
<b>5</b> FIBER TYPE	<p><b>SINGLE-MODE</b></p> <p>HB = Single-Mode (ITU G.652 C &amp; D) Low Water Peak</p> <p>ES = Enhanced Single-Mode (ITU G.652 C &amp; D)</p> <p>CE = Corning™ SMF28e+ Single-Mode</p> <p>B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 &amp; B2 &amp; G.652.D)</p> <p><b>MULTIMODE</b></p> <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>					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/___			
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M3 = 3.0/1.0		850/1300	OM2+, OM3, OM4 (50µm)																														

### 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

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