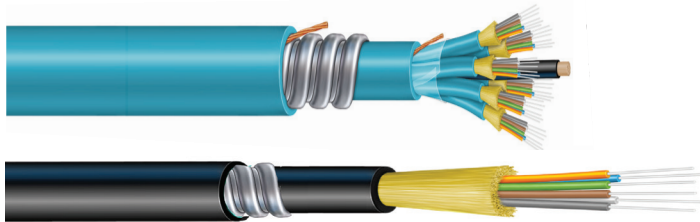


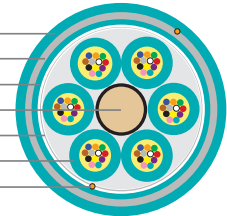


ezINTERLOCK™ | Indoor Tight Buffered

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.