



ezBREAKOUT™ | Indoor XS

Indoor tight buffer breakout cable



Indoor tight buffered cables with individual breakout units for robust handling, flame-retardant safety and simple field termination

Overview

Prysmian's ezBREAKOUT™ cables package up to 12 breakout units with 900µm tight buffered fibers into a single flame-retardant cable - riser. This design provides simple direct field termination with strain relief.

Product Snapshot

| | |
|----------------------------|--|
| Applications | Multi-Fiber Indoor Breakout for Routing & Connectorization |
| Constructions | Jacketed Cordage (1.6mm units) with 900µm Tight Buffered Fibers / All Dielectric |
| Flame Ratings | Riser (OFNR / FT-4) |
| Fiber Count | 2 to 12 Fibers |
| Fiber Types | Bend-Insensitive Single-Mode |
| Performance | TIA/EIA-568, ANSI / ICEA S-83-596, Telcordia GR-409, CE RoHS Compliant |
| Registered Supplier | ISO 9001, ISO 14001, TL 9000, and OHSAS 18001 |



Features and Benefits

Easy Cable Installation & Termination

- 1.6mm units with 900µm tight buffered fibers provide simple direct field termination
- Flexible robust cables simplify pulling and placement
- Colored sub-units simplify identification and routing
- Small diameter allows routing in small / reduced size enclosures or spaces

Flame-Retardant Safety

- Versions for Riser (OFNR/FT-4)
- A single cable design can support all structured cabling applications

Reliable Performance

- The 1.6mm diameter component has a minimum bend radius of 7.5mm ensuring long term life and performance in tight spaces

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Nominal Design Parameters

1.66 mm TBB) Cables - OFNR Rated

| Fiber Count | Diameter Inches (mm) | Cable Weight lb/kft (kg/km) | Min. Bend Radius of Component (mm) | Min. Bend Radius Installation Inches (cm) | Min. Bend Radius Operation Inches (cm) | Installation Tensile Loading lbs (newtons) | Operating Tensile Loading lbs (newtons) |
|-------------|----------------------|-----------------------------|------------------------------------|---|--|--|---|
| 2 | 0.18 (4.5) | 14 (21) | 7.5 | 3.5 (9) | 2 (5) | 150 (660) | 45 (200) |
| 4 | 0.21 (5.3) | 19 (29) | 7.5 | 4 (10) | 2 (5) | 150 (660) | 45 (200) |
| 6 | 0.25 (6.4) | 26 (39) | 7.5 | 5 (13) | 2.5 (6) | 150 (660) | 45 (200) |
| 8 | 0.29 (7.4) | 34 (51) | 7.5 | 5.5 (14) | 3 (7.5) | 150 (660) | 45 (200) |
| 12 | 0.33 (8.3) | 38 (56) | 7.5 | 6 (15) | 3 (7.5) | 150 (660) | 45 (200) |

Maximum delivery length 2500 meters

Temperature Range

Shipping and Storage: -40° F to +176° F (-40° C to +80° C)

Installation: 32° F to +122° F (0° C to +50° C)

Operation: -4° F to +176° F (-20° 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: ezBREAKOUT™, indoor riser (OFNR/FT-4), 12 bend-insensitive single-mode 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 | 516 | BLANK | 01 | B2 | 012 | EB |

| CABLE INFORMATION | |
|--------------------------|--|
| 1 LENGTH MARKINGS | F = Feet or M = Meters |
| 2 PRODUCT FAMILY | ezBREAKOUT INDDOR RISER 516 = Indoor ezBREAKOUT™ tight buffered cables 1.6mm riser (OFNR / FT-4) |
| 3 CONSTRUCTION | (blank) = none |
| 4 FIBER GROUPING | 01 = 1 fiber/unit (exBREAKOUT™) |

| FIBER INFORMATION | |
|----------------------|--|
| 5 FIBER TYPE | SINGLE-MODE B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D) |
| 6 FIBER COUNT | 002 to 012 fibers |
| 7 FIBER GRADE | SINGLE-MODE Attenuation (dB/km) Wavelength (nm) Fiber Type EB = 0.7/0.7/0.7 310/1383/1550 Bend-Insensitive Single-Mode |

Other cable constructions and fiber performance grades available on request.