



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, RoHS Compliant

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.