



ezBREAKOUT™ | Indoor Tight Buffered

Riser, LSZH riser, and plenum rated cables



Prysmian's ezBREAKOUT indoor tight buffered cables will assure reliable broadband performance, meet flame retardant safety codes, and support easy field termination

Overview

Prysmian's ezBREAKOUT cable family packages up to 36 tight buffered (900µm) fibers into a single flame retardant cable. Each tight buffered fiber is contained inside a 2.5mm subunit for added mechanical strength. This cable design is available in riser, LSZH riser and plenum rated versions for deployment in any indoor application. This cable design supports standard installation practices and may be easily terminated using established field connectorization methods.

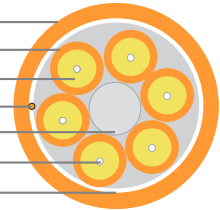
Product Snapshot

Applications	Well suited for applications requiring direct cable termination and rugged construction. Designed for installation in environments where severe mechanical exposure is possible such as in industrial systems.
Constructions	Individual 2.5mm subunits containing one 900µm TB fiber; Interlock armor optional
Flame Ratings	Riser (OFNR / OFCR / FT4); LSZH Riser (OFNR / OFCR / FT4); Plenum (OFNP / OFCP / FT6)
Fiber Count	2 to 36 fibers
Fiber Types	Single-mode (ESMF, bend-insensitive, 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



Prysmian Group
 700 Industrial Drive | Lexington, SC 29072
 +1-800-879-9862 | +1-800-669-0808 | website: na.prysmiangroup.com/telecom

- Flame Retardant Outer Jacket
- Sub-Unit Jacket
- Aramid Strength Yarns
- Ripcord
- Central Strength Member
- Tight-Buffered Fiber
- Polyester Tape



Features and Benefits

- Standardized 2.5mm subunit size simplifies termination practices
- 900µm tight buffered fibers designed to support rapid field termination
- Numbered subunit identification for quick, error-free fiber identification
- Available with bend-insensitive single-mode and multimode optical fibers
- Flexible, flame-retardant, and color coded jacket outer
- Optional interlock armor provides added robust protection & supports one-step installation
- Supports all high performance networks including OM4/10 gigabit ethernet systems

ezBREAKOUT™ | Indoor Tight Buffered

Riser, LSZH riser, and plenum rated cables

ezBREAKOUT Indoor Riser | 525 Series | OFNR/FT4

Fiber Count	Diameter Inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
2	0.29 (7.3)	33 (49)	5.8 (14.8)	2.9 (7.4)	150 (660)	45 (200)
4	0.32 (8.3)	40 (60)	6.4 (16.3)	3.2 (8.2)	150 (660)	45 (200)
6	0.38 (9.6)	57 (85)	7.6 (19.3)	3.8 (9.7)	150(660)	45 (200)
8	0.44 (11.3)	78 (116)	8.8 (22.4)	4.4 (11.2)	150 (660)	45 (200)
12	0.50 (12.7)	108 (161)	10.0 (25.4)	5.0 (12.7)	150 (660)	45 (200)
18	0.58 (14.7)	125 (186)	11.6 (29.5)	5.8 (14.8)	300 (1320)	90 (396)
24	0.65 (16.6)	166 (247)	13.0 (33.1)	6.5 (16.6)	300 (1320)	90 (396)
36	0.78 (19.9)	214 (318)	15.6 (39.7)	7.8 (19.9)	300 (1320)	90 (396)

ezBREAKOUT Indoor LSZH Riser | LSZH25 Series | OFNR/FT4

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
2	0.31 (7.9)	32 (48)	6.2 (15.7)	3.1 (7.9)	150 (660)	45 (200)
4	0.33 (8.4)	38 (57)	6.6 (16.8)	3.3 (8.4)	150 (660)	45 (200)
6	0.38 (9.7)	56 (83)	7.6 (19.3)	3.8 (9.7)	150 (660)	45 (200)
8	0.45 (11.4)	82 (122)	9.0 (22.9)	4.5 (11.5)	150 (660)	45 (200)
12	0.57 (14.5)	138 (205)	11.4 (29.0)	5.7 (14.5)	150 (660)	45 (200)
18	0.58 (14.7)	133 (198)	11.6 (29.5)	5.8 (14.8)	300 (1320)	90 (396)
24	0.65 (16.5)	180 (268)	13.0 (33.1)	6.5 (16.6)	300 (1320)	90 (396)
36	0.78 (19.8)	226 (336)	15.6 (39.7)	7.8 (19.9)	300 (1320)	90 (396)

Outer Jacket Color Identification

Orange: Multimode OM1 and OM2+
 Aqua: Multimode OM3 and OM4
 Yellow: Single-mode fiber
 Black: Hybrid

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) -4° F to +176° F (-20° C to +80° C)
 (Plenum) -4 F to +176° F (-20° C to +80° C)

ezBREAKOUT™ | Indoor Tight Buffered

Riser, LSZH riser, and plenum rated cables

ezBREAKOUT Indoor Plenum | 825 Series | OFNP/FT6

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)	Max Installation Load (Pull Strength) lbs (newtons)	Max Operation Load lbs (newtons)
2	0.23 (5.8)	24 (36)	4.6 (11.7)	2.3 (5.9)	100 (440)	30 (133)
4	0.28 (7.0)	30 (45)	5.6 (14.3)	2.8 (7.2)	100 (440)	30 (133)
6	0.33 (8.5)	44 (65)	6.6 (16.5)	3.3 (8.4)	100 (440)	30 (133)
8	0.39 (10.0)	65 (97)	7.8 (19.9)	3.9 (9.9)	100 (440)	30 (133)
12	0.52 (13.3)	125 (186)	10.4 (26.5)	5.2 (13.2)	100 (440)	30 (133)
18	0.56 (14.1)	112 (166)	11.2 (28.5)	5.6 (14.3)	150 (660)	45 (200)
24	0.65 (16.5)	158 (235)	13.0 (33.0)	6.5 (16.5)	150 (660)	45 (200)
36	0.75 (19.1)	198 (295)	15.0 (38.1)	7.5 (19.1)	150 (660)	45 (200)

Outer Jacket Color Identification

Orange: Multimode OM1 and OM2+
 Aqua: Multimode OM3 and OM4
 Yellow: Single-mode fiber
 Black: Hybrid

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) -4° F to +176° F (-20° C to +80° C)
 (Plenum) -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 / FT4) | multimode 62.5/125 fibers in individual subunits | 24 fibers total (printed in feet)



CABLE INFORMATION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
EZBREAKOUT	
Riser-FT4	
525 = ezBREAKOUT Indoor Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 36	
LSZH25 = ezBREAKOUT Indoor LSZH Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 36	
Plenum-FT6	
825 = ezBREAKOUT Indoor Plenum Tight Buffer Flame Rating: OFNP/FT6 Fiber Count 2 to 36	
3	CONSTRUCTION
(blank) = none	
Aj = Jacketed aluminum	
Sj = Jacketed steel	
4	FIBER GROUPING
01 = 1f breakout cable unit	

FIBER INFORMATION				
5	FIBER TYPE			
SINGLE-MODE				
HB = Enhanced Single-Mode (ITU G.652 C & D)				
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 36 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 = 0.4/0.4/0.3	1310/1383/1550	Bend-Insensitive Single-Mode		
MULTIMODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
M2 = 850/1300	3.5/1.0	OM1 (62.5µm)		
M3 = 850/1300	3.0/1.0	50µm		

Other cable constructions and fiber performance grades available on request.

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2016 All Right Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless specifically authorized by Prysmian Group. Issued June 2016.