

GenSPEED® Tight Buffered Breakout Indoor XS

Indoor tight buffer breakout cable (1.6mm units)

Prysmian



OVERVIEW

GenSPEED Tight Buffered Breakout Indoor XS cables package up to twelve 1.6mm breakout units with 900µm tight buffered fibers into a single flame-retardant riser-rated cable. This design provides simple direct field termination with strain relief.

SPECIFICATIONS / RATINGS

Applications	Multi-Fiber Indoor Breakout for Routing & Connectorization
Construction	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
Standards	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

Reliable Performance

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

Prysmian

A Brand of Prysmian Group

Prysmian Group

4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-C-402-0521

GenSPEED® Tight Buffered Breakout Indoor XS

Indoor tight buffer breakout cable (1.6mm units)

Prysmian

GenSPEED 1.6mm Tight Buffer Breakout | Indoor Riser | 516 Series | OFNR/FT4

Fiber Count	Recommended Part Number	Diameter		Cable Weight		Min. Bend Radius of Component	Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
	Prysmian*	inches	mm	lb/kft	kg/km	mm	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2	516-01-AA-002-BB	0.18	4.5	14	21	7.5	3.5	9	2	5	150	660	45	200
4	516-01-AA-004-BB	0.21	5.3	19	29	7.5	4	10	2	5	150	660	45	200
6	516-01-AA-006-BB	0.25	6.4	26	39	7.5	5	13	2.5	6	150	660	45	200
8	516-01-AA-008-BB	0.29	7.4	34	51	7.5	5.5	14	3	7.5	150	660	45	200
12	516-01-AA-012-BB	0.33	8.3	38	56	7.5	6	15	3	7.5	150	660	45	200

* Where AA equals glass type and BB equals attenuation code

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: GenSPEED 1.6mm Tight Buffer Breakout Indoor, Riser (OFNR / FT4), 12 bend-insensitive single-mode fibers (printed in feet)



PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	516 = GenSPEED 1.6mm Tight Buffer Breakout Indoor cables Riser (OFNR/FT-4)
3 CONSTRUCTION	(BLANK) = None
4 FIBER GROUPING	01 = 1f breakout cable unit

FIBER INFORMATION		
5 FIBER TYPE	SINGLE-MODE	
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)	
6 FIBER COUNT	2 to 12 fibers	
7 FIBER GRADE	SINGLE-MODE	
	Attenuation (dB/km)	Wavelength (nm)
	EB = 0.7/0.7/0.7	1310/1383/1550
		Fiber Type
		Bend-Insensitive Single-Mode

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help. Other cable constructions and fiber performance grades available on request.

Prysmian

A Brand of Prysmian Group

Prysmian Group

4 Tessenner Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-C-402-0521