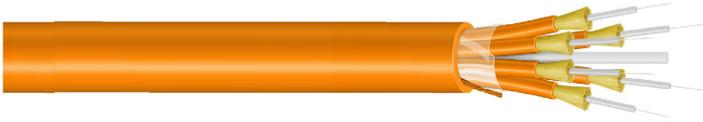


GenSPEED® Tight Buffered Breakout Indoor

Riser, LSZH Riser, and Plenum rated cables



OVERVIEW

GenSPEED Tight Buffered Breakout Indoor 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.

SPECIFICATIONS / RATINGS

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 and OM4)

Options Interlock armor / preconnectorized

Standards ANSI/ICEA S-83-596, UL 1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, CE RoHS compliant

Registered Supplier ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

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



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GenSPEED Breakout | Indoor Riser | 525 Series | OFNR/FT4

Fiber Count	Recommended Part Number		Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
	Prysmian*	General Cable**	inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2	525-01-AA-002-BB	XX0021B3R	0.29	7.3	33	49	5.8	14.8	2.9	7.4	150	660	45	200
4	525-01-AA-004-BB	XX0041B3R	0.32	8.3	40	60	6.4	16.3	3.2	8.2	150	660	45	200
6	525-01-AA-006-BB	XX0061B3R	0.38	9.6	57	85	7.6	19.3	3.8	9.7	150	660	45	200
8	525-01-AA-008-BB	XX0081B3R	0.44	11.3	78	116	8.8	22.4	4.4	11.2	150	660	45	200
12	525-01-AA-012-BB	XX0121B3R	0.50	12.7	108	161	10.0	25.4	5.0	12.7	150	660	45	200
18	525-01-AA-018-BB	XX0181B3R	0.58	14.7	125	186	11.6	29.5	5.8	14.8	300	1320	90	396
24	525-01-AA-024-BB	XX0241B3R	0.65	16.6	166	247	13.0	33.1	6.5	16.6	300	1320	90	396
36	525-01-AA-036-BB	--	0.78	19.9	214	318	15.6	39.7	7.8	19.9	300	1320	90	396

GenSPEED Breakout | Indoor LSZH Riser | LSZH25 Series | OFNR/FT4

Fiber Count	Recommended Part Number		Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
	Prysmian*	General Cable**	inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2	LSZH25-01-AA-002-BB	--	0.29	7.4	32	48	6.0	15.0	3.0	7.4	150	660	45	200
4	LSZH25-01-AA-004-BB	--	0.33	8.4	38	57	6.6	16.8	3.3	8.4	150	660	45	200
6	LSZH25-01-AA-006-BB	--	0.38	9.7	56	83	7.6	19.3	3.8	9.7	150	660	45	200
8	LSZH25-01-AA-008-BB	--	0.45	11.4	82	122	9.0	22.9	4.5	11.5	150	660	45	200
12	LSZH25-01-AA-012-BB	--	0.57	14.5	138	205	11.4	29.0	5.7	14.5	150	660	45	200
18	LSZH25-01-AA-018-BB	--	0.58	14.7	133	198	11.6	29.5	5.8	14.8	300	1320	90	396
24	LSZH25-01-AA-024-BB	--	0.65	16.5	180	268	13.0	33.1	6.5	16.6	300	1320	90	396
36	LSZH25-01-AA-036-BB	--	0.78	19.8	226	336	15.6	39.7	7.8	19.9	300	1320	90	396

GenSPEED Breakout | Indoor Plenum | 825 Series | OFNP/FT6

Fiber Count	Recommended Part Number		Diameter		Cable Weight		Bend Radius UNDER LOAD		Bend Radius NO LOAD		Max Installation LOAD (pull strength)		Max Operation LOAD	
	Prysmian*	General Cable**	inches	mm	lb/kft	kg/km	inches	cm	inches	cm	lbs	newtons	lbs	newtons
2	825-01-AA-002-BB	XX0021B3D	0.23	5.8	24	36	4.6	11.7	2.3	5.9	100	440	30	133
4	825-01-AA-004-BB	XX0041B3D	0.28	7.0	30	45	5.6	14.3	2.8	7.2	100	440	30	133
6	825-01-AA-006-BB	XX0061B3D	0.33	8.5	44	65	6.6	16.5	3.3	8.4	100	440	30	133
8	825-01-AA-008-BB	XX0081B3D	0.39	10.0	65	97	7.8	19.9	3.9	9.9	100	440	30	133
12	825-01-AA-012-BB	XX0121B3D	0.52	13.3	125	186	10.4	26.5	5.2	13.2	100	440	30	133
18	825-01-AA-018-BB	XX0181B3D	0.56	14.1	112	166	11.2	28.5	5.6	14.3	150	660	45	200
24	825-01-AA-024-BB	XX0241B3D	0.65	16.5	158	235	13.0	33.0	6.5	16.5	150	660	45	200
36	825-01-AA-036-BB	XX0361B3D	0.75	19.1	198	295	15.0	38.1	7.5	19.1	150	660	45	200

* Where AA equals glass type and BB equals attenuation code

** Where XX equals glass type

Note: Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.

Outer Jacket Color Identification

- Yellow:** Single-Mode Fiber
- Orange:** Multimode Fiber (OM1 and OM2+)
- Aqua:** Multimode Fiber (OM3 and OM4)
- Lime Green:** Multimode Fiber (OM5)
- Black:** Hybrid Fiber Types

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)
	(LSZH Riser)	-4° F to +176° F	(-20° C to +80° C)
Operation:	(Riser)	-4° F to +176° F	(-20° C to +80° C)
	(Plenum)	-4° F to +176° F	(-20° C to +80° C)



Prysmian

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Ordering Guide

The Prysmian 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 Tight Buffered Breakout | indoor riser (OFNR / FT4) | multimode 62.5/125 fibers in individual subunits | 24 fibers total (printed in feet)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	525	BLANK	01	G6	024	M2

PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	<p>Riser - FT4</p> <p>525 = GenSPEED Breakout Indoor Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 36</p> <p>LSZH25 = GenSPEED Breakout Indoor LSZH Riser Tight Buffer Flame Rating: OFNR/FT4 Fiber Count 2 to 36</p> <p>Plenum - FT6</p> <p>825 = 2f GenSPEED Breakout Indoor Plenum Tight Buffer Flame Rating: OFNP/FT6 Fiber Count 2 to 36</p>
3 CONSTRUCTION	<p>(BLANK) = None</p> <p>AJ = Jacketed aluminum - (525 and LSZH25 only)</p> <p>SJ = Jacketed steel - (525 and LSZH25 only)</p>
4 FIBER GROUPING	01 = 1f breakout cable unit

FIBER INFORMATION				
5 FIBER TYPE				
SINGLE-MODE				
HB = Single-Mode (ITU G.652 C & D) Low Water Peak				
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/___
GW = OM5 (50µM)	850/1300	3500/500	1100	550/___
6 FIBER COUNT				
2 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	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 = 3.5/1.0	850/1300	OM1 (62.5µm)		
M3 = 3.0/1.0	850/1300	50µm		

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.

