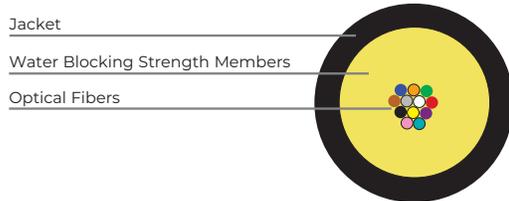


GenSPEED® Distribution Indoor/Outdoor LSZH | TB | Low Emission



Low-smoke zero-halogen cables, IEC verified for flame and smoke – OFNR-LS FT4 Rated



OVERVIEW

Prysmian's Low Smoke Zero Halogen (LSZH) cables are intended for use in demanding environments that require cables to meet high fire safety standards. May be deployed in a variety of applications which may include riser, ducts or cable trays.

SPECIFICATIONS / RATINGS

Applications Versatile indoor and outdoor cable, low emission fire protection in crowded spaces, Some versions combine LSZH with riser rating for indoor performance.

Construction Distribution (900µm)/Breakout (2.5mm)

Fiber Count 2 to 24 (Distribution)

Fiber Types Single-mode fibers, Multimode fibers (62.5/125-OM2, 50/125-OM2, OM3, OM4 and OM5)

Options Interlock armor / preconnectorized

Standards TIA / EIA-568C.3, ANSI / ICEA S-83-596, Telecordia GR-409, CE RoHS Compliant

Meets the following IEC specifications

- IEC 60332-3-24 Category C
- IEC 60332-1-2
- IEC 60332-2-2
- IEC 61034-2
- IEC 60754-1
- IEC 60754-2

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



FEATURES AND BENEFITS

Easy Cable Installation and Termination

- 900µm tight buffered fibers can be directly terminated
- Color-coded fibers & numbered sub-units simplify identification
- Colored rip cords for ease of identification and jacket removal
- Interlock armor option available

Safety Ratings

- Riser rated design complies with UL1666 & UL1685/IEEE1202; OFNR-LS and OFNG-FT4 ST1 rated

Reliable Performance

- Guaranteed 10 Gigabit & 1 Gigabit Ethernet transmission lengths
- Guaranteed standards-based performance
- Available in 62.5µm, 50µm, single-mode and hybrid version

Temperature Range

Shipping and Storage:	-40° F to +158° F	(-40° C to +70° C)
Installation:	14° F to +140° F	(-10° C to +60° C)
Operation:	-40° F to +176° F	(-40° C to +80° C)



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GenSPEED Distribution | LSZH Indoor/Outdoor | 700 Series | OFNR-LS, FT-4, LSZH Rated

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Number of Buffer Tubes	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	2	700-00-AA-002-BB	—	single-unit	0.20	5.0	18	26	3.9	10.0	2.0	5.0	150	660	45	200
4	4	700-00-AA-004-BB	—	single-unit	0.21	5.2	20	29	4.1	10.4	2.1	5.2	150	660	45	200
6-8	6	700-00-AA-006-BB	—	single-unit	0.23	5.9	21	31	4.7	12.0	2.3	5.9	150	660	45	200
10-12	12	700-00-AA-012-BB	—	single-unit	0.24	6.2	23	34	4.9	12.4	2.4	6.2	150	660	45	200
18-24	24	700-00-AA-024-BB	—	single-unit	0.32	8.1	45	67	6.4	16.3	3.2	8.1	300	1320	90	396

GenSPEED Distribution | LSZH Indoor/Outdoor Aluminum Interlock | 700AJ Series | OFCR-LS, FT-4, LSZH Rated

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Number of Buffer Tubes	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	2	700AJ-00-AA-002-BB	—	single-unit	0.510	12.95	94	139	10.2	25.9	5.1	13.0	150	660	45	200
4-6	6	700AJ-00-AA-006-BB	—	single-unit	0.520	13.21	99	148	10.4	26.4	5.2	13.2	150	660	45	200
8	8	700AJ-00-AA-008-BB	—	single-unit	0.545	13.84	107	159	10.9	27.7	5.5	13.8	150	660	45	200
10-12	12	700AJ-00-AA-012-BB	—	single-unit	0.550	13.97	112	166	11	27.9	5.5	14.0	150	660	45	200
18-24	24	700AJ-00-AA-024-BB	—	single-unit	0.630	16.00	153	228	12.6	32.0	6.3	16.0	300	1320	90	396

*Where AA equals glass type and BB equals attenuation code

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.



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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 Distribution | LSZH 700 series, indoor/outdoor riser (OFNR-LS FT4), 24 62.5/125 multimode fibers (printed in feet)



PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
700 = GenSPEED Distribution Riser LSZH Tight Buffer -In/outdoor Flame Rating: OFNR-LS FT4	
3	CONSTRUCTION
(BLANK) = None	
AJ = Jacketed aluminum OFCR-LS FT4	
SJ = Jacketed steel OFCR-LS FT4	
4	FIBER GROUPING
00 = Single Unit	

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

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 BIF (50µm)		850/1300	4700/2470	1100	550/___
6	FIBER COUNT				
2 to 24 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	OM2+, OM3, OM4, OM5 (50µm)		

Other cable constructions and fiber performance grades available on request.

