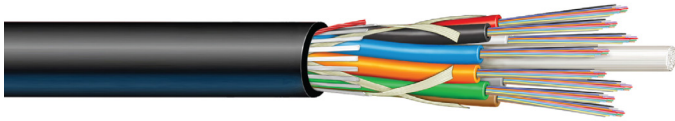


ezLink™ Transit / LSZH Loose Tube (Gel)

Low-Smoke Zero-Halogen Cable with Gel-Filled Buffer Tubes

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LSZH Jacket

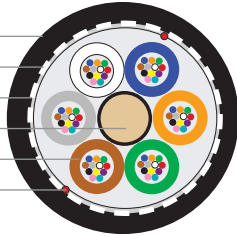
Flame Retardant Tape

Water Blocking Tape

Central Strength Member

Gel-Filled Buffer Tube Containing up to 12 Fibers

Ripcord



OVERVIEW

Prysmian's ezLINK™ Transit LSZH loose tube designs provide flame-rated network solutions for a diverse number of network applications. These cables combine traditional gel-filled buffer tubes with swellable water blocking materials, a robust, flame retardant LSZH jacket material, Prysmian's extensive portfolio of single-mode and multimode optical fibers.

Incorporating proven outside plant design elements, this cable may be employed in outdoor aerial lashed, duct, cable tray & direct buried environments. Because of its application diversity, this advanced product eliminates the necessity/expense for traditional cable transition points once required in legacy systems. Cost savings & system long term reliability are achieved by enabling more cable placement options in the network.

SPECIFICATIONS / RATINGS

Applications Versatile indoor-outdoor cable designed to reduce smoke and hazardous emissions in confined spaces

Constructions Dielectric (single & dual jacket), corrugated armor, interlock armor

Flame Ratings General purpose - low smoke (OFN-ST1/ OFC-ST1)

Fiber Count 2 to 216

Fiber Types Single-mode (ESMF, bend-insensitive)
Multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)

Standards TIA/EIA-568, ANSI/ICEA S-83-596, ANSI/ICEA S-104-696, UL 1685, CSA 22.2, Telcordia GR-409, Telcordia GR-20, CE RoHS Compliant

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

FEATURES AND BENEFITS

- Fiber identification using TIA standardized color coding
- Gel-filled buffer tubes for use in coastal regions that involve salt water
- Flame-retardant, black UV-resistant outer jacket
- Flexible kink-resistant buffer tubes for routing and storage
- Available with bend-insensitive single-mode and multimode optical fibers
- Ideal for applications where smoke generation and corrosivity are concerns
- Will support all high performance networks including OM5/100 gigabit ethernet systems



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ezLink™ Transit / LSZH Loose Tube (Gel)

Low-Smoke Zero-Halogen Cable with Gel-Filled Buffer Tubes

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ezLink™ Transit Dielectric Single LSZH Jacket (1J - GEL), DLSZHB Series | OFN-ST1

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DLSZHB-12-AA-006-BB	5	0.41	10.3	66	98	8	21	4	10	41,010	12,500
	12	DLSZHB-12-AA-012-BB											
	24	DLSZHB-12-AA-024-BB											
	36	DLSZHB-12-AA-036-BB											
72	72	DLSZHB-12-AA-048-BB	6	0.44	11.2	78	116	9	22	4	11	41,010	12,500
96	96	DLSZHB-12-AA-096-BB	8	0.51	12.9	101	151	10	26	5	13	41,010	12,500
120	120	DLSZHB-12-AA-120-BB	10	0.58	14.8	136	203	12	30	6	15	41,010	12,500
144	144	DLSZHB-12-AA-144-BB	12	0.65	16.5	170	253	13	33	6	17	41,010	12,500
216	216	DLSZHB-12-AA-216-BB	18	0.65	16.5	170	253	13	33	6	17	33,465	10,200

ezLink™ Transit Dielectric Double Jacket (2J - GEL) DLSZHC series | OFN-ST1

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DLSZHC-12-AA-006-BB	5	0.53	13.4	118	175	11	27	5	13	41,010	12,500
	12	DLSZHC-12-AA-012-BB											
	24	DLSZHC-12-AA-024-BB											
	36	DLSZHC-12-AA-036-BB											
72	72	DLSZHC-12-AA-048-BB	6	0.56	14.3	136	202	11	29	6	14	41,010	12,500
96	96	DLSZHC-12-AA-096-BB	8	0.62	15.8	169	252	12	32	6	16	41,010	12,500
120	120	DLSZHC-12-AA-120-BB	10	0.70	17.7	218	325	14	35	7	18	35,377	10,783
144	144	DLSZHC-12-AA-144-BB	12	0.76	19.4	265	394	15	39	8	19	35,377	10,783
216	216	DLSZHC-12-AA-216-BB	18	0.76	19.4	265	394	15	39	8	19	25,633	7,813

ezLink™ Transit Corrugated Steel Tape Armor with Double LSZH Jackets (1A2J - GEL) DLSZHD series | OFC-ST1

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DLSZHD-12-AA-006-BB	5	0.60	15.2	179	267	12	30	6	15	41,010	12,500
	12	DLSZHD-12-AA-012-BB											
	24	DLSZHD-12-AA-024-BB											
	36	DLSZHD-12-AA-036-BB											
72	72	DLSZHD-12-AA-048-BB	6	0.64	16.3	194	289	13	33	6	16	41,010	12,500
96	96	DLSZHD-12-AA-096-BB	8	0.70	17.8	222	330	14	36	7	18	37,497	11,429
120	120	DLSZHD-12-AA-120-BB	10	0.78	19.8	266	396	16	40	8	20	25,974	7,917
144	144	DLSZHD-12-AA-144-BB	12	0.85	21.7	306	455	17	43	9	22	25,974	7,917
216	216	DLSZHD-12-AA-216-BB	18	0.85	21.7	306	455	17	43	9	22	20,436	6,229

ezLink™ I/O Transit Aluminum Interlocking Armor with black inner jacket & colored outer jacket (1A1 2J - GEL) DLSZHBAJ series | OFC-ST1

Fiber Count Range	Recommended Fiber Count	Recommended Part Number Prysmian*	# of Buffer Tubes	Diameter		Approx. Cable Weight		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
				Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 - 48	6	DLSZHBAJ-12-AA-006-BB	5	0.73	18.8	212	315	15	38	7	19	14,108	4,300
	12	DLSZHBAJ-12-AA-012-BB											
	24	DLSZHBAJ-12-AA-024-BB											
	36	DLSZHBAJ-12-AA-036-BB											
72	72	DLSZHBAJ-12-AA-048-BB	6	0.76	19.8	234	348	16	40	8	20	10,827	3,300
96	96	DLSZHBAJ-12-AA-096-BB	8	0.86	21.8	305	454	17	44	9	22	11,752	3,582
120	120	DLSZHBAJ-12-AA-120-BB	10	0.94	23.9	366	545	19	48	9	24	8,235	2,510
144	144	DLSZHBAJ-12-AA-144-BB	12	1.00	25.4	422	628	20	51	10	25	8,235	2,510
216	216	DLSZHBAJ-12-AA-216-BB	18	1.00	25.4	422	628	20	51	10	25	6,102	1,860

* Where AA equals glass type and BB equals attenuation

Installation

Maximum installation load: 600 lbf (2670 N)
 1000 lbf (4450 N) (DLSZHC only)
 Maximum operation load: 180 lbf (800 N)
 300 lbf (1330 N) (DLSZHC only)

Temperature Range

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

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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Low-Smoke Zero-Halogen Cable with Gel-Filled Buffer Tubes

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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: Loose tube | indoor-outdoor LSZH gel-filled buffer tubes | single jacket | 12 Fiber per buffer tube | single-mode fibers | 48 fibers total (print in feet)



PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS
F = Feet or M = Meters
2 PRODUCT FAMILY
Riser / FT4 Dry Tubes OFNR / FT4
DLSZHB = I/O LSZH Tray All-Dielectric (Single Jacket) OFN_ST1
DLSZHC = I/O LSZH Tray All-Dielectric (Double Jacket) OFN_ST1
DLSZHD = I/O LSZH Tray exPrep Armored (PSP) OFC_ST1
DLSZHBAJ = ezInterlock I/O LSZH Tray Interlock Armored OFC_ST1
3 CONSTRUCTION
(Blank) = None
AJ = Jacketed aluminum
SJ = Jacketed steel
4 FIBER GROUPING
12 = 12f per tube

FIBER INFORMATION

5 FIBER TYPE				
SINGLE-MODE				
HB = Single-Mode (ITU G.652 C & D) Low Water Peak				
ES = Enhanced Single-Mode (ITU G.652 C & D)				
CE = Corning™ SMF28e+ Single-Mode				
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 216 fibers				
7 FIBER GRADE				
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE		
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, or B2		
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 (50µm)		

Other cable constructions and fiber performance grades available on request.