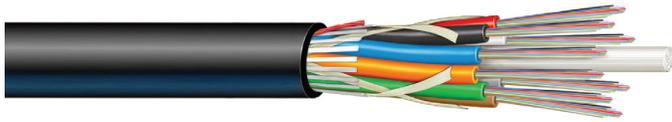


ezLink™ Transit / LSZH Loose Tube (Dry)

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



LSZH Jacket

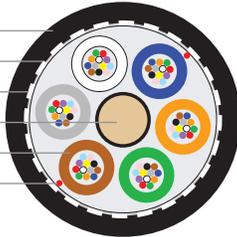
Flame Retardant Tape

Water Blocking Tape

Central Strength Member

Gel-Free Buffer Tube Containing up to 12 Fibers

Ripcord



OVERVIEW

Prysmian's ezLINK™ Transit /LSZH dry loose tube designs provide flame-rated network solutions for a diverse number of network applications. These cables combine a robust, flame retardant LSZH jacket material, flexible dry buffer tubes & swellable water blocking available with single-mode and multimode optical fibers.

Incorporating proven outside plant design elements, this cable may be employed in outdoor aerial lashed, duct, cable tray and 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 and system long term reliability are achieved by enabling cable placement virtually anywhere 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 Riser - low smoke (OFNR-ST1/OFNR-ST1/FT4 ST1)
General purpose - low smoke (OFNG-ST1/OFNG-ST1/FT4 ST1) NFPA 130 Compliant

Fiber Count 2 to 288

Fiber Types Single-mode (ESMF, bend-insensitive)
Multimode (62.5/125-OM1, 50/125-OM2+, OM3, OM4 and OM5)

Standards TIA/EIA-568, ANSI/ICEA S-83-596, ANSI/ICEA S-104-696, CSA 22.2 No. 230 Telcordia GR-409, Telcordia GR-409 Telcordia GR-20, UL-1666, IEEE 1202, NFPA 130 compliant, CE RoHA Compliant

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

FEATURES AND BENEFITS

- Fiber identification using TIA standardized color coding
- Gel-Free buffer tubes simplifies access and reduces prep time
- 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 transit applications in confined areas such as tunnels
- Will support all high performance networks including OM5/100 gigabit ethernet systems
- Sunlight Resistant, SUN RES, according to UL 1651 and CSA C22.2 No. 232
- NFPA 130 Compliant for Transit applications



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ezLink™ Transit / LSZH Loose Tube (Dry)

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



ezLink™ Transit Dielectric Single LSZH Jacket (1J - Dry), DDLSZHB Series | 12-60F OFNR-ST1/FT4 ST1 | 72+ OFNG-ST1/FT4 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	DDLSZHB-12-AA-006-BB	5	0.43	11.0	77	115	9	22	4	11	41,010	12,500
	12	DDLSZHB-12-AA-012-BB											
	24	DDLSZHB-12-AA-024-BB											
	36	DDLSZHB-12-AA-036-BB											
	48	DDLSZHB-12-AA-048-BB											
72	72	DDLSZHB-12-AA-072-BB	6	0.46	11.8	85	126	9	24	5	12	41,010	12,500
96	96	DDLSZHB-12-AA-096-BB	8	0.50	12.7	96	143	10	25	5	13	41,010	12,500
120	120	DDLSZHB-12-AA-120-BB	10	0.57	14.4	123	183	11	29	6	14	41,010	12,500
144	144	DDLSZHB-12-AA-144-BB	12	0.63	16.1	155	231	13	32	6	16	41,010	12,500
216	216	DDLSZHB-12-AA-216-BB	18	0.66	16.8	152	226	13	34	7	17	33,573	10,233
288	288	DDLSZHB-12-AA-288-BB	24	0.77	19.5	204	304	15	39	8	20	33,573	10,233

ezLink™ Transit Dielectric Double Jacket (2J - Dry) DDLSZHC series | OFNR-ST1 / FT4-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	DDLSZHC-12-AA-006-BB	5	0.52	13.2	117	174	10	26	5	13	41,010	12,500
	12	DDLSZHC-12-AA-012-BB											
	24	DDLSZHC-12-AA-024-BB											
	36	DDLSZHC-12-AA-036-BB											
	48	DDLSZHC-12-AA-048-BB											
72	72	DDLSZHC-12-AA-072-BB	6	0.55	13.9	126	188	11	28	5	14	41,010	12,500
96	96	DDLSZHC-12-AA-096-BB	8	0.62	15.8	161	239	12	32	6	16	41,010	12,500
120	120	DDLSZHC-12-AA-120-BB	10	0.69	17.4	196	291	14	35	7	17	35,377	10,783
144	144	DDLSZHC-12-AA-144-BB	12	0.76	19.2	235	350	15	38	8	19	35,377	10,783
216	216	DDLSZHC-12-AA-216-BB	18	0.78	19.7	153	350	16	39	8	20	25,633	7,813
288	288	DDLSZHC-12-AA-288-BB	24	0.88	22.4	205	444	18	45	9	22	25,633	7,813

* Where AA equals glass type and BB equals attenuation

Installation

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

Temperature Range

Shipping and Storage: -58° F to +158° F (-50° C to +70° C)
 Installation: -22° F to +140° F (-30° C to +60° C)
 Operation: -58° F to +158° F (-50° C to +70° 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.



ezLink™ Transit / LSZH Loose Tube (Dry)

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



ezLink™ Transit Corrugated Steel Tape Armor with Double LSZH Jackets (1A2J - Dry) DDLSZHD series | OFCR-ST1 / FT4 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	DDLSZHD-12-AA-006-BB	5	0.63	16.0	192	285	13	32	6	16	41,010	12,500
	12	DDLSZHD-12-AA-012-BB											
	24	DDLSZHD-12-AA-024-BB											
	36	DDLSZHD-12-AA-036-BB											
72	72	DDLSZHD-12-AA-072-BB	6	0.66	16.8	206	306	13	34	7	17	41,010	12,500
96	96	DDLSZHD-12-AA-096-BB	8	0.73	18.5	247	368	15	37	7	19	37,497	11,429
120	120	DDLSZHD-12-AA-120-BB	10	0.80	20.3	294	438	16	41	8	20	25,974	7,917
144	144	DDLSZHD-12-AA-144-BB	12	0.87	22.1	343	510	17	44	9	22	25,974	7,917
216	216	DDLSZHD-12-AA-216-BB	18	0.90	22.9	153	517	18	46	9	23	20,436	6,229
288	288	DDLSZHD-12-AA-288-BB	24	1.00	25.4	205	631	20	51	10	25	20,436	6,229

ezLink™ I/O Transit Corrugated Steel Tape Armor with Single LSZH Jacket (1A1J - Dry) DDLSZHE series | OFCG-ST1 / FT4 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	DDLSZHE-12-AA-006-BB	5	0.49	12.4	120	178	10	25	5	12	41,010	12,500
	12	DDLSZHE-12-AA-012-BB											
	24	DDLSZHE-12-AA-024-BB											
	36	DDLSZHE-12-AA-036-BB											
72	72	DDLSZHE-12-AA-072-BB	6	0.52	13.2	130	194	10	26	5	13	41,010	12,500
96	96	DDLSZHE-12-AA-096-BB	8	0.58	14.7	158	235	12	29	6	15	41,010	12,500
120	120	DDLSZHE-12-AA-120-BB	10	0.65	16.5	192	286	13	33	6	17	37,917	11,557
144	144	DDLSZHE-12-AA-144-BB	12	0.72	18.3	232	346	14	37	7	18	37,917	11,557
216	216	DDLSZHE-12-AA-216-BB	18	0.72	18.3	153	346	14	37	7	18	29,495	8,990
288	288	DDLSZHE-12-AA-288-BB	24	0.82	20.8	205	391	16	42	8	21	29,495	8,990

Aluminum Interlocking Armor, Black Inner Jacket, Colored Outer Jacket, DDLSZHBAJ series | 12-60F OFCR-ST1/FT4 ST1 | 72+ OFCG-ST1/ FT4 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	DDLSZHBAJ-12-AA-006-BB	5	0.73	19.6	200	297	15	39	8	20	14,108	4,300
	12	DDLSZHBAJ-12-AA-012-BB											
	24	DDLSZHBAJ-12-AA-048-BB											
	36	DDLSZHBAJ-12-AA-036-BB											
72	72	DDLSZHBAJ-12-AA-072-BB	6	0.76	20.3	242	360	16	41	8	20	10,827	3,300
96	96	DDLSZHBAJ-12-AA-096-BB	8	0.83	21.1	263	391	17	42	8	21	11,752	3,582
120	120	DDLSZHBAJ-12-AA-120-BB	10	0.92	23.4	341	507	18	47	9	23	8,235	2,510
144	144	DDLSZHBAJ-12-AA-144-BB	12	1.00	25.4	399	594	20	51	10	25	8,235	2,510
216	216	DDLSZHBAJ-12-AA-216-BB	18	1.02	25.9	405	602	20	52	10	26	6,102	1,860
288	288	DDLSZHBAJ-12-AA-288-BB	24	1.12	28.4	492	732	22	57	11	28	6,102	1,860

* Where AA equals glass type and BB equals attenuation

Outer Jacket Color Identification

Yellow	Single-Mode Premises
Orange	Standard Multimode Premises
Aqua	Laser-Optimized 50µm Premises

Installation

Maximum installation load:	600 lbf (2670 N)
Maximum operation load:	180 lbf (800 N)

Temperature Range

Shipping and Storage:	-58° F to +158° F (-50° C to +70° C)
Installation:	-22° F to +140° F (-30° C to +60° C)
Operation:	-58° F to +158° F (-50° C to +70° 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.



ezLink™ Transit / LSZH Loose Tube (Dry)

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



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: Loose tube | indoor/outdoor | riser | gel-free buffer tubes | LSZH single jacket | 12 62.5/125 multimode fibers per buffer tube
48 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	DDLSZHB	BLANK	12	G6	048	M2

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS
F = Feet or M = Meters
2 PRODUCT FAMILY
Riser / FT4 Dry Tubes OFNR / FT4
DDLSZHB = I/O LSZH All-dielectric (single jacket) LT, OFNG-ST1
DDLSZHC = I/O LSZH All-dielectric (double jacket) LT, OFNR-ST1
DDLSZHD = I/O LSZH Armored (double jacket) LT, OFCR-ST1
DDLSZHE = I/O LSZH Armored (single jacket) LT, OFCG-ST1
DDLSZHBAJ = ezINTERLOCK I/O LSZH Interlock Armor LT, OFCG-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)				
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				
002 to 288 fibers				
7 FIBER GRADE				
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
E1 = 0.40/0.40/0.30	1310/1383/1550	HB or ES		
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, 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, OM5 (50µm)		

Other cable constructions and fiber performance grades available on request.



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