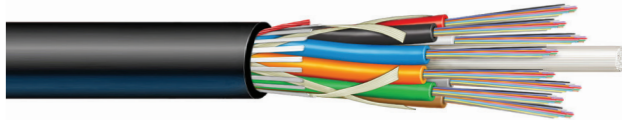




## ezLINK™ Transit / LSZH Loose Tube (dry)

Low-smoke zero-halogen cables with gel-free buffer tubes



*Popular cables for confined spaces demanding the additional safety of low smoke and flame retardants without the use of halogenated materials*

### 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.

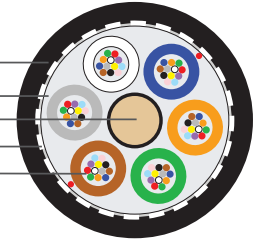
Incorporating proven outside plant design elements, this cable may be employed in outdoor aerial lashed, duct, cable tray and direct buried environments. Because of its application diversity, this advanced product eliminates the necessity/expense for traditional cable transition points once required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

### Product Snapshot

<b>Applications</b>	Versatile indoor-outdoor cable designed to reduce smoke and hazardous emissions in confined spaces
<b>Constructions</b>	Dielectric (single & dual jacket), corrugated armor, interlock armor
<b>Flame Ratings</b>	Riser - low smoke (OFNR-LS/OFNR-LS/FT4 ST1) General purpose - low smoke (OFNG-LS/OFNG-LS/FT4 ST1) NFPA 130 Compliant
<b>Fiber Count</b>	2 to 288
<b>Fiber Types</b>	Single-mode (ESMF, bend-insensitive) multimode (62.5/125-OM1, 50/125-OM2+, OM3 & OM4)
<b>Standards</b>	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
<b>Registered Supplier</b>	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



- LSZH Jacket
- Flame Retardant Tape
- Central Strength Member
- Water Blocking Tape
- Dry Buffer Tube Containing up to 12 Fibers



### 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 LSZH 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 OM4/10 gigabit ethernet systems
- Direct buried, DIR BUR, according to UL 1277 and CSA C22.2 No. 230
- Sunlight Resistant, SUN RES, according to UL 1651 and CSA C22.2 No. 232
- NFPA 130 Compliant for Transit applications

## ezLINK™ Transit / LSZH Loose Tube (dry)

Low-smoke zero-halogen cables with gel-free buffer tubes

### ezLINK™ Transit Dielectric Single Jacket, DDLSZHB Series | OFNG-LS / FT4 ST1

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers Per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.43 (11.0)	77 (115)	8.7 (22.0)	4.3 (11.0)
62 to 72	6	12	0.46 (11.8)	84 (126)	9.3 (23.6)	4.6 (11.8)
74 to 84	7	12	0.47 (11.9)	84 (126)	9.3 (23.8)	4.7 (11.9)
86 to 96	8	12	0.50 (12.7)	96 (143)	10.0 (25.4)	5.0 (12.7)
98 to 108	9	12	0.54 (13.8)	114 (169)	10.8 (27.5)	5.4 (13.8)
110 to 120	10	12	0.56 (14.4)	123 (183)	11.2 (28.5)	5.6 (14.3)
122 to 132	11	12	0.60 (15.2)	139 (207)	12.0 (30.5)	6.0 (15.3)
134 to 144	12	12	0.63 (16.1)	155 (231)	12.6 (32.0)	6.3 (16.0)
146 to 216	12 / 6	12	0.66 (16.8)	152 (226)	13.2 (33.6)	6.6 (16.8)
218 to 264	14 / 8	12	0.72 (18.4)	182 (271)	14.4 (36.6)	7.2 (18.3)
266 to 288	15 / 9	12	0.77 (19.5)	204 (304)	15.4 (39.2)	7.7 (19.6)

### ezLINK™ Transit Dielectric Double Jacket, DDLSZHC Series | OFNR-LS / FT4 ST1

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers Per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.52 (13.2)	117 (174)	10.4 (26.5)	5.2 (13.2)
62 to 72	6	12	0.55 (13.9)	126 (188)	11.0 (28.0)	5.5 (14.0)
74 to 84	7	12	0.59 (15.0)	145 (216)	11.8 (30.0)	5.9 (15.0)
86 to 96	8	12	0.62 (15.8)	161 (239)	12.4 (31.5)	6.2 (15.8)
98 to 108	9	12	0.66 (16.9)	183 (273)	13.2 (33.6)	6.6 (16.8)
110 to 120	10	12	0.69 (17.4)	196 (291)	13.8 (35.1)	6.9 (17.6)
122 to 132	11	12	0.72 (18.3)	215 (320)	14.4 (36.6)	7.2 (18.3)
134 to 144	12	12	0.76 (19.2)	235 (350)	15.2 (38.6)	7.6 (19.3)
146 to 216	12 / 6	12	0.78 (19.7)	235 (350)	15.5 (39.4)	7.8 (19.7)
218 to 264	14 / 8	12	0.84 (21.3)	271 (404)	16.8 (42.6)	8.4 (21.3)
266 to 288	15 / 9	12	0.88 (22.4)	298 (444)	17.6 (44.8)	8.8 (22.4)

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.

#### Mechanical Specifications

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)

## ezLINK™ Transit / LSZH Loose Tube (dry)

Low-smoke zero-halogen cables with gel-free buffer tubes

### ezLINK™ Transit Corrugated Steel Tape Armor with Double LSZH Jacket, DDLSZHD Series | OFCR-LS / FT4 ST1

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers Per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.63 (16.0)	192 (285)	12.6 (32.0)	6.3 (16.0)
62 to 72	6	12	0.66 (16.8)	206 (306)	13.2 (33.5)	6.6 (16.8)
74 to 84	7	12	0.70 (17.8)	229 (341)	14.0 (35.6)	7.0 (17.8)
86 to 96	8	12	0.73 (18.5)	247 (368)	14.6 (37.1)	7.3 (18.5)
98 to 108	9	12	0.78 (19.8)	278 (413)	15.6 (39.6)	7.8 (19.8)
110 to 120	10	12	0.80 (20.3)	294 (438)	16.0 (40.6)	8.0 (20.3)
122 to 132	11	12	0.83 (21.1)	317 (472)	16.6 (42.2)	8.3 (21.1)
134 to 144	12	12	0.87 (22.1)	343 (510)	17.4 (44.2)	8.7 (22.1)
146 to 216	12 / 6	12	0.90 (22.9)	347 (517)	18.0 (45.7)	9.0 (22.9)
218 to 264	14 / 8	12	0.96 (24.4)	392 (583)	19.2 (48.8)	9.6 (24.4)
266 to 288	15 / 9	12	1.00 (25.4)	424 (631)	20.0 (50.8)	10.0 (25.4)

### ezLINK™ Transit Corrugated Steel Tape Armor with Single LSZH Jacket, DDLSZHE Series | OFCG-LS / FT4 ST1

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers Per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.63 (16.0)	192 (285)	12.6 (32.0)	6.3 (16.0)
62 to 72	6	12	0.66 (16.8)	206 (306)	13.2 (33.5)	6.6 (16.8)
74 to 84	7	12	0.70 (17.8)	229 (341)	14.0 (35.6)	7.0 (17.8)
86 to 96	8	12	0.73 (18.5)	247 (368)	14.6 (37.1)	7.3 (18.5)
98 to 108	9	12	0.78 (19.8)	278 (413)	15.6 (39.6)	7.8 (19.8)
110 to 120	10	12	0.80 (20.3)	294 (438)	16.0 (40.6)	8.0 (20.3)
122 to 132	11	12	0.83 (21.1)	317 (472)	16.6 (42.2)	8.3 (21.1)
134 to 144	12	12	0.87 (22.1)	343 (510)	17.4 (44.2)	8.7 (22.1)
146 to 216	12 / 6	12	0.90 (22.9)	347 (517)	18.0 (45.7)	9.0 (22.9)
218 to 264	14 / 8	12	0.96 (24.4)	392 (583)	19.2 (48.8)	9.6 (24.4)
266 to 288	15 / 9	12	1.00 (25.4)	424 (631)	20.0 (50.8)	10.0 (25.4)

### ezLINK™ Transit Aluminum Interlock Armor with Double LSZH Jacket, DDLSZHBAJ Series | OFCG-LS / FT4 ST1

Fiber Count	# Buffer Tubes Outer/Inner Layer	Fibers Per Unit or # of Units	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 60	5	12	0.77 (19.6)	200 (297)	15.4 (39.1)	7.7 (19.6)
62 to 72	6	12	0.80 (20.3)	212 (316)	16.0 (40.6)	8.0 (20.3)
74 to 84	7	12	0.80 (20.3)	242 (360)	16.0 (40.6)	8.0 (20.3)
86 to 96	8	12	0.83 (21.1)	263 (391)	16.6 (42.2)	8.3 (21.1)
98 to 108	9	12	0.90 (22.9)	323 (481)	18.0 (45.7)	9.0 (22.9)
110 to 120	10	12	0.92 (23.4)	341 (507)	18.4 (46.7)	9.2 (23.4)
122 to 132	11	12	0.95 (24.1)	368 (547)	19.0 (48.3)	9.5 (24.1)
134 to 144	12	12	1.00 (25.4)	399 (594)	19.8 (50.3)	9.9 (25.1)
146 to 216	12 / 6	12	1.02 (25.9)	405 (602)	20.4 (51.8)	10.2 (25.9)
218 to 264	14 / 8	12	1.08 (27.4)	455 (677)	21.6 (54.9)	10.8 (27.4)
266 to 288	15 / 9	12	1.12 (28.4)	492 (732)	22.4 (56.9)	11.2 (28.4)

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.

#### Mechanical Specifications

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)

## ezLINK™ Transit / LSZH Loose Tube (dry)

Low-smoke zero-halogen cables with gel-free buffer tubes

**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 | riser | gel-free buffer tubes | LSZH single jacket | 12 62.5/125 multimode fibers per buffer tube  
48 fibers total (printed in feet)

<b>1</b> LENGTH MARKINGS	<b>2</b> PRODUCT FAMILY	<b>3</b> CONSTRUCTION	<b>4</b> FIBER GROUPING	<b>5</b> FIBER TYPE	<b>6</b> FIBER COUNT	<b>7</b> FIBER GRADE
F	DDLSZHB	BLANK	12	G6	048	M2

CABLE INFORMATION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY	Indoor /Outdoor LSZH With Gel-Free Buffer Tubes
	DDLSZHB = I/O LSZH All-dielectric (single jacket) LT, OFNG-LS
	DDLSZHC = I/O LSZH All-dielectric (double jacket) LT, OFNR-LS
	DDLSZHD = I/O LSZH Armored (double jacket) LT, OFCR-LS
	DDLSZHE = I/O LSZH Armored (single jacket) LT, OFCG-LS
	DDLSZHBAJ = ezINTERLOCK I/O LSZH Interlock Armor LT, OFCG-LS
<b>3</b> INTERLOCK CONSTRUCTION	(blank) = none AJ = Jacketed Aluminum SJ = Jacketed Steel
<b>4</b> FIBER GROUPING	12 = 12f per tube or unit

### Outer Jacket Color For Interlock Armor

Cable Type	Standard Jacket Color
Single-Mode Premises	Yellow
Standard Multimode Premises	Orange
Laser-Optimized 50 μm Premises	Aqua

FIBER INFORMATION	
<b>5</b> 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/___
<b>6</b> FIBER COUNT	002 to 288 fibers
<b>7</b> 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.	

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2019 All Right Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless specifically authorized by Prysmian Group. Issued March 2019.