

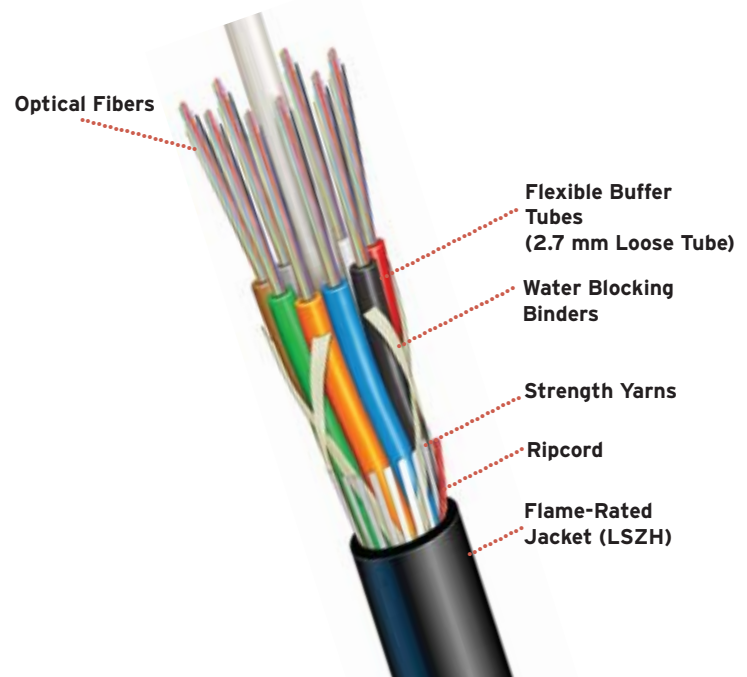
# ezPREP® Indoor-Outdoor Gel Free Loose Tube | LSZH

## Indoor-Outdoor Low-Smoke Zero-Halogen Cables



### Product Snapshot

<b>Applications</b>	Versatile intra- and inter-building cable Low emission fire protection in crowded spaces
<b>Constructions</b>	Gel Free Dielectric (Single Jacket), Non-Armored
<b>Flame Ratings</b>	Low-Smoke Zero-Halogen (LSZH) Tray (OFN), (OFNG-LS/FT-4 LS) UL1685 Sec. 12, IEEE1202
<b>Fiber Count</b>	12 to 288
<b>Fiber Types</b>	Singlemode Multimode Hybrid
<b>Performance</b>	TIA/EIA-598B, ANSI / ICEA S-104-696 Telcordia GR-409, RoHS Compliant



Popular indoor-outdoor cables for spaces demanding the additional safety of low smoke and emission characteristics without the presence of halogen.

Draka's Low Smoke Zero Halogen (LSZH) cables are intended for use in demanding environments that require cables to meet high fire safety standards. Loose tube LSZH cables may be deployed in a variety of applications which may include risers, ducts, trays, or lashed aerially.

Indoor - Outdoor Loose Tube | LSZH Dielectric (Single Jacket)

### Features & Benefits

#### Easy Cable Installation & Termination

- [+] Color-coded fibers and colored tubes simplify identification
- [+] Gel Free design simplifies access and reduces prep time

#### Flame Retardant Safety

- [+] OFN-LS (All Dielectric)

#### Reliable Performance

- [+] Broad mix & match of Singlemode/Multimode (50 µm, 62.5 µm, MaxCap®) fiber types
- [+] Guaranteed 10 Gigabit and 1 Gigabit Ethernet transmission lengths
- [+] Guaranteed standards-based performance

# ezPREP® Indoor-Outdoor Gel Free Loose Tube | LSZH

## Indoor-Outdoor Low-Smoke Zero-Halogen Cables



### ezPREP Loose Tube | LSZH Dielectric (Single Jacket)

Fiber Count	# of Buffer Tubes Outer/Inner	Fibers per unit or # of units	DDLSZHB Series		OFNG-LS (Tray), LSZH rated	
			Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius   Load inches (cm)	Bend Radius   No Load inches (cm)
6 - 60	5	12	0.42 (10.6)	70 (104)	8 (21)	4 (11)
62 - 72	6	12	0.45 (11.4)	77 (114)	9 (23)	5 (11)
74 - 84	7	12	0.50 (12.6)	93 (139)	10 (25)	5 (13)
86 - 96	8	12	0.54 (13.7)	111 (165)	11 (27)	5 (14)
98 - 108	9	12	0.57 (14.4)	123 (183)	11 (29)	6 (14)
110 - 120	10	12	0.61 (15.4)	140 (208)	12 (31)	6 (15)
122 - 132	11	12	0.64 (16.3)	157 (234)	13 (33)	6 (16)
134 - 144	12	12	0.67 (17.1)	174 (259)	13 (34)	7 (17)
146 - 216	18	12	0.72 (18.3)	181 (269)	14 (37)	7 (18)
218 - 264	22	12	0.80 (20.3)	222 (330)	16 (41)	8 (20)
266 - 288	24	12	0.81 (20.6)	235 (349)	16 (41)	9 (21)

### Mechanical Specifications (Loose Tube) LSZH

#### Installation

[+] Maximum installation load	600 lbf (2670 N)
[+] Maximum operation load	180 lbf (800 N)

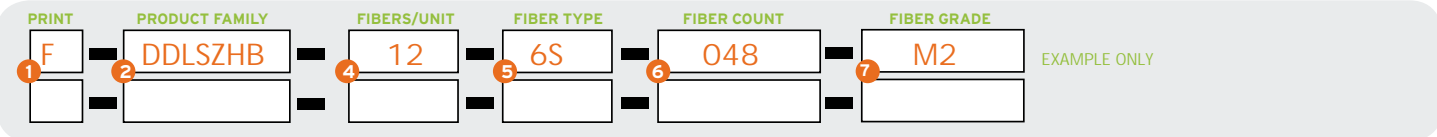
#### Temperature Range

[+] Shipping and Storage	-58° F to +158° F (-50° C to +70° C)
[+] Installation	14° F to +140° F (-10° C to +60° C)
[+] Operation	-58° F to +158° F (-50° C to +70° C)

## Ordering Guide

For Ordering or More Information Contact Us at [sales@drakaamericas.com](mailto:sales@drakaamericas.com) or 800.879.9862.

Example: ezPREP Gel Free Loose Tube | LSZH (OFNG / FT-4), 48 multimode 62.5/125 Fibers (printed in feet)



- 1 PRINT**  
F Feet  
M Meters
- 2 PRODUCT FAMILY**  
Indoor-Outdoor (Full)  
Loose Tube | LSZH  
DDLSZHB Non-Armor LSZH (OFN / LS)
- 3 FIBERS/UNIT**  
12 12 fibers/unit

4 FIBER TYPE	5 FIBER COUNT ### 001 to 288 Fibers	6 FIBER GRADE	WAVELENGTHS (nm)	ATTENUATION (dB/km)	BANDWIDTH (MHz*km)	1 GbE DISTANCE (m at 850/1300nm)	10 GbE DISTANCE (m at 850nm)
<b>MULTIMODE</b>							
5S	Legacy, 50 µm	M3	850 / 1300	3.0 / 1.0	500 / 500	550 / 550	82
53	MaxCap®, 50 µm, 300m	M3	850 / 1300	3.0 / 1.0	1500 / 500	1000 / 550	300
55	MaxCap, 50 µm, 550m	M3	850 / 1300	3.0 / 1.0	3500 / 500	1100 / 550	550
6S	Legacy, 62.5 µm	M2	850 / 1300	3.5 / 1.0	200 / 500	300 / 550	33
<b>SINGLEMODE</b>							
BX	BendBright-XS®	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25	N/A	N/A	N/A
BB	BendBright	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25	N/A	N/A	N/A
ES	ESMF	E1	1310 / 1383 / 1550	0.40 / 0.40 / 0.30	N/A	N/A	N/A
<b>Hybrid</b>							
MX	Singlemode & Multimode (Specify)						

Other cable constructions and fiber performance grades available on request.

Draka | Value Innovation

[www.drakaamericas.com](http://www.drakaamericas.com)

[sales@drakaamericas.com](mailto:sales@drakaamericas.com)

800.879.9862



2512 Penny Road, Claremont, North Carolina 28610-0039 USA / International +1 828.459.9787

The Draka policy of continuous improvement may result in changes to specifications without prior notice.

Issue Date: 10.12.2009 - V1 / DS036