

## XLPO LSZH I/O Loose Tube (LX Series)

Consisting of thermoset (XLPO) jacket, AFL's LX-series of low-smoke zero-halogen (LSZH) loose tube cables are specifically designed for harsh environments. Ideal for indoor and outdoor industrial applications, the cable design includes dry-core water blocking system and a highly chemical resistant, cross-linked UV-resistant outer jacket.

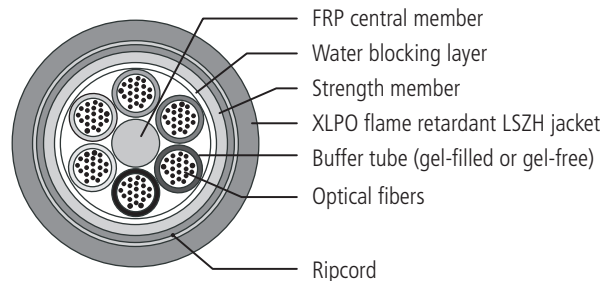
### Features

- 6 to 144 fibers
- Gel-filled and gel-free buffer tubes available
- Low smoke zero halogen, thermoset jacket
- Resistant to lubricating oil (Mil-L-23699), hydraulic fluid (Mil-H-5606), gasoline and deionized water

### Applications

- Subway tunnels
- Railway right-of-way
- Airport terminals
- Confined space pathways
- Steam tunnels
- Industrial
- Mining
- Shipboard

### Cable Components



### Maximum Lengths

FIBER COUNT	SINGLE-MODE		MULTIMODE	
	FEET	METERS	FEET	METERS
6 - 144	23,000	7,000	23,000	7,000

Longer lengths may be available upon request.

### Fiber Specifications

FIBER TYPE	MAXIMUM ATTENUATION (DB/KM)				OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)	
	850 NM	1300 NM	1310 NM	1550 NM	850 NM	1300 NM	850 NM	1300 NM
(6) 62.5/125 GIGA-Link™ 300	3.5	1.2	N/A	N/A	200	600	300	550
(5) 50/125 GIGA-Link™ 600	2.9	0.9	N/A	N/A	500	500	600	600
(L) 50/125 Laser-Link™ 300	2.9	0.9	N/A	N/A	1500	500	900	550
(9) Single-mode	N/A	N/A	0.35	0.25	N/A	N/A	N/A	5000
(Q) Non-zero Dispersion-shifted Single-mode	N/A	N/A	N/A	0.25	N/A	N/A	N/A	N/A

Gigabit Ethernet Minimum Link Distances are based on "bandwidth"/modal dispersion constraints. Actual link distances may be constrained by attenuation, depending on specific loss budget.

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### Ordering Information

AFL NO.	FIBER COUNT	NUMBER OF TUBES/FIBERS	NOMINAL DIAMETER		NOMINAL WEIGHT		MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
			INCHES	MM	LBS/1,000 FT	KG/KM	LBS (N)		INCHES (CM)	
GEL-FILLED										
LX006★C5101N1	6	1w/6 (4 fillers)	0.47	11.9	92	137	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX012★C5101N1	12	1w/12 (4 fillers)	0.47	11.9	92	137	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX024★C5101N1	24	2w/12 (3 fillers)	0.47	11.9	91	136	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX036★C5101N1	36	3w/12 (2 fillers)	0.47	11.9	91	136	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX048★C5101N1	48	4w/12 (1 filler)	0.47	11.9	90	134	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX060★C5101N1	60	5w/12 (no fillers)	0.47	11.9	90	134	600 (2670)	180 (800)	9.4 (24)	4.7 (12)
LX072★C6101N1	72	6w/12 (no fillers)	0.53	13.5	105	156	600 (2670)	180 (800)	10.6 (27)	5.3 (13.5)

GEL-FREE										
LX006★C5101N1D	6	1w/6 (4 fillers)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX012★C5101N1D	12	1w/12 (4 fillers)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX024★C5101N1D	24	2w/12 (3 fillers)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX036★C5101N1D	36	3w/12 (2 fillers)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX048★C5101N1D	48	4w/12 (1 filler)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX060★C5101N1D	60	5w/12 (no fillers)	0.44	11.1	82	123	600 (2670)	180 (800)	11 (22)	4 (11)
LX072★C6101N1D	72	6w/12 (no fillers)	0.47	11.9	93	138	600 (2670)	180 (800)	11 (24)	5 (12)
LX096★C8101N1D	96	8w/12 (2 fillers)	0.53	13.5	113	167	600 (2670)	180 (800)	13 (27)	5 (13)
LX144★CC101N1D	144	12w/12 (no fillers)	0.67	17.0	147	219	600 (2670)	180 (800)	15 (34)	7 (17)

**NOTES:**

- Diameter and weight subject to change without notice.
  - For other types of LSZH Cables, please contact your AFL Representative.
- ★ Fiber Types-Replace asterisk (★) in AFL number with number corresponding to desired fiber type below

### Recommended Products

DESCRIPTION	AFL NO.
Extreme Low Temp LSZH Double Jacket I/O Loose Tube (LA Series)	Refer to <a href="#">spec sheet</a> for AFL No.
Listed Gel-Free, LSZH, Loose Tube Cable (LL Series)	Refer to <a href="#">spec sheet</a> for AFL No.

### Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
Telcordia	GR-20-CORE	Cable
ICEA	S-104-696	Cable
IEEE	1202	Cable
UL	1651 and 1685 (OFNG-LS)	Cable
CSA	22.2 (FT4)	Cable
NFPA	130 and 502	Cable
TIA	598-D	Fiber

### Temperature Specifications

TEMPERATURE RANGE	
Operation	-40°C to +70°C
Storage	-50°C to +70°C
Installation	-20°C to +60°C

Contact AFL for more information.

Fiber Optic Cable