

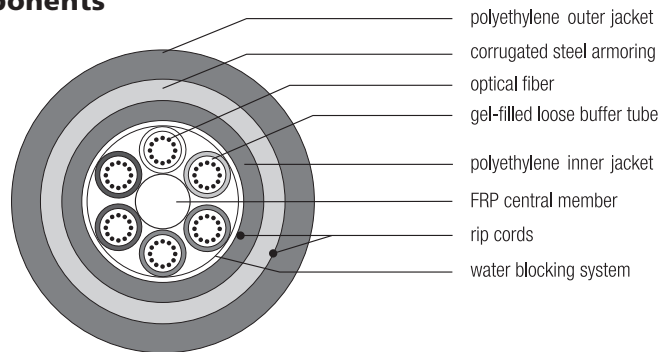
Double-Jacket Single-Armor OSP Loose Tube (LE Series SADJ)

Acting as the backbone for most of today's fiber based systems, stranded fiber optic cables play a critical role in the high speed network. AFL's Armored Loose Tube Double Jacket/Single Armor fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations, including direct buried. With fiber counts up to 312 and S-Z strand designs for easy mid-span access, AFL's cables comply with EIA/TIA, REA/RUS PE-90 and GR-20. Industry standard designs combined with innovative technologies, such as a dry core product, yield a world class cable that will support today's and tomorrow's technological needs.

Product Applications

- Long Haul Networking
- Building Interconnections (Campus LAN)
- Trunking Lines Direct to Telecommunications Closet
- Local Loop
- Distance Learning
- Distribution
- Intra-building Backbones

Cable Components



Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-30°C to +70°C
OPERATING	-40°C to +70°C
STORAGE	-40°C to +75°C

Typical Lengths

FIBER COUNT	MAXIMUM LENGTHS*			
	SINGLE-MODE		MULTIMODE	
	FEET	METERS	FEET	METERS
6 - 72	20,000	6,000	20,000	6,000
84 - 96	14,700	4,500	14,700	4,500
108 - 120	13,000	4,000	13,000	4,000
132 - 144	11,100	3,400	11,100	3,400
146 - 312	10,000	3,000	10,000	3,000

* 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
(K) AFL G.657.A1 Single-mode	N/A	N/A	0.35	0.25	N/A	N/A	N/A	5000

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/1,000FT	KG/KM	LBS (N)		INCHES (CM)	
							SHORT TERM	LONG TERM	SHORT TERM	LONG TERM
LE006★C5111S1	6	1w/6 (4 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE012★C5111S1	12	1w/12 (4 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE018★C5111S1	18	1w/12,1w/6 (3 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE024★C5111S1	24	2w/12 (3 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE030★C5111S1	30	2w/12,1w/6 (2 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE036★C5111S1	36	3w/12 (2 fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE048★C5111S1	48	4w/12 (1 filler)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE060★C5111S1	60	5w/12 (no fillers)	0.59	15.0	128	190	600 (2670)	180 (800)	12.4 (32.0)	5.9 (15.0)
LE072★C6111S1	72	6w/12 (no fillers)	0.62	15.9	143	212	600 (2670)	180 (800)	13.0 (33.0)	6.5 (16.4)
LE084★C8111S1	84	7w/12 (1 filler)	0.69	17.6	169	252	600 (2670)	180 (800)	14.4 (36.4)	7.2 (18.2)
LE096★C8111S1	96	8w/12 (no fillers)	0.69	17.6	169	252	600 (2670)	180 (800)	14.4 (36.4)	7.2 (18.2)
LE108★CA111S1	108	9w/12 (1 filler)	0.76	19.3	201	299	600 (2670)	180 (800)	15.8 (40.2)	7.9 (20.1)
LE120★CA111S1	120	10w/12 (no fillers)	0.76	19.3	201	299	600 (2670)	180 (800)	15.8 (40.2)	7.9 (20.1)
LE132★CC111S1	132	11w/12 (1 filler)	0.83	21.2	234	348	600 (2670)	180 (800)	18.0 (46.0)	9.0 (22.9)
LE144★CC111S1	144	12w/12 (no fillers)	0.83	21.2	234	348	600 (2670)	180 (800)	18.0 (46.0)	9.0 (22.9)

Note: Diameter and weight subject to change without notice

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.