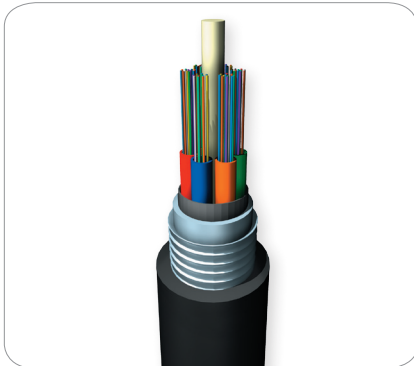




Armored Loose Tube Cable – Single Jacket/Single Armor

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 Single 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 144 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
- Intrabuilding Backbones

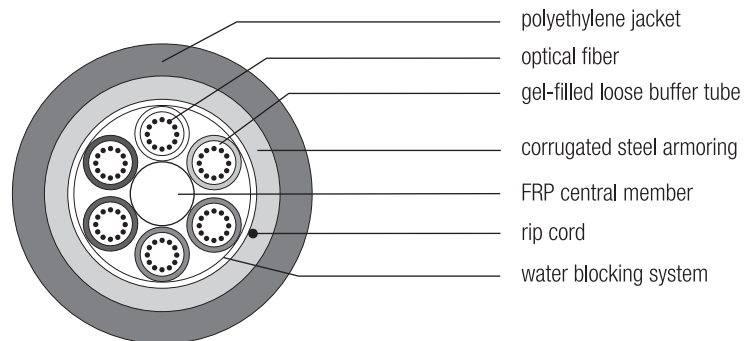
Temperature Range

Operating: -40°C to +70°C

Storage: -40°C to +75°C

Installation: -30°C to +70°C

Cable Components



Typical Lengths

MAXIMUM LENGTHS*				
FIBER COUNT	SINGLE-MODE		MULTIMODE	
	FEET	METERS	FEET	METERS
6 - 144	19,686	6,000	19,686	6,000

* Longer lengths may be available upon request.

Optical Information

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
(8) 62.5/125 GIGA-Link™ 1000	3.5	1.2	N/A	N/A	350	600	500	1000
(5) 50/125 GIGA-Link™ 600	2.9	0.9	N/A	N/A	500	500	600	600
(7) 50/125 GIGA-Link™ 2000	2.9	0.9	N/A	N/A	500	800	750	2000
(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
(K) SM Futureguide SR-15e Bend Insensitive	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.

Armored Loose Tube Cable – Single Jacket/Single Armor

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★C5201S1	6	1w/6 (4 fillers)	0.52	13.3	102	152	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE012★C5201S1	12	1w/12 (4 fillers)	0.52	13.3	102	152	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE018★C5201S1	18	1w/12, 1w/6 (3 fillers)	0.52	13.3	103	153	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE024★C5201S1	24	2w/12 (3 fillers)	0.52	13.3	103	154	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE030★C5201S1	30	2w/12, 1w/6 (2 fillers)	0.52	13.3	104	155	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE036★C5201S1	36	3w/12 (2 fillers)	0.52	13.3	104	155	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE048★C5201S1	48	4w/12 (1 filler)	0.52	13.3	105	157	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE060★C5201S1	60	5w/12 (no fillers)	0.52	13.3	106	158	600 (2670)	200 (890)	10.7 (28)	5.4 (14)
LE072★C6201S1	72	6w/12 (no fillers)	0.56	14.2	120	179	600 (2670)	200 (890)	11.4 (29)	5.7 (15)
LE084★C8201S1	84	7w/12 (1 filler)	0.63	16.0	146	218	600 (2670)	200 (890)	12.8 (33)	6.4 (16.3)
LE096★C8201S1	96	8w/12 (no fillers)	0.63	16.0	147	219	600 (2670)	200 (890)	12.8 (33)	6.4 (16.3)
LE108★CA201S1	108	9w/12 (1 filler)	0.70	17.8	176	262	600 (2670)	200 (890)	14.2 (37)	7.1 (18)
LE120★CA201S1	120	10w/12 (no fillers)	0.70	17.8	177	264	600 (2670)	200 (890)	14.2 (37)	7.1 (18)
LE132★CC201S1	132	11w/12 (1 filler)	0.78	19.7	213	317	600 (2670)	200 (890)	15.7 (40)	7.9 (20)
LE144★CC201S1	144	12w/12 (no fillers)	0.78	19.7	214	319	600 (2670)	200 (890)	15.7 (40)	7.9 (20)

Note: Diameter and weight subject to change without notice

★ Fiber Types – Replace asterisk (★) in AFL number with number corresponding to desired fiber type below.

5 = 50/125 µm multimode GIGA-Link™ 600

7 = 50/125 µm multimode GIGA-Link™ 2000

6 = 62.5/125 µm multimode GIGA-Link™ 300

8 = 62.5/125 µm multimode GIGA-Link™ 1000

L = 50/125 µm multimode Laser-Link™ 300

9 = Single-mode

Q = Non-zero dispersion-shifted single-mode

K = SM Futureguide SR-15e Bend Insensitive

Reel Information

ITEM	REEL A		REEL B		REEL C		REEL D		REEL E	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
Reel Height	42	106.7	58	147.3	66	167.6	72	182.8	84	213.4
Reel Width Outside	36	91.4	38	96.5	42	106.7	42	106.7	40	101.6
Reel Width Inside	32	81.6	32	81.3	36	91.4	36	91.4	34	86.4
Drum Diameter	23	58.7	28	71.1	36	91.4	36	91.4	35	88.9
Arbor Hole Diameter	3	7.9	3	7.9	3	7.9	3	7.9	3	7.9
Reel Weight With Lagging	180 lbs	82 kg	420 lbs	191 kg	685 lbs	311 kg	710 lbs	320 kg	950 lbs	431 kg

AFL typically provides Loose Tube cable on several standard sizes of non-returnable wooden reels. Non-standard reel sizes are available upon request. Larger reel sizes may be required to accommodate long cable lengths.