

Armored Single Jacket/Single Armor Dry Loose Tube Cable

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 Dry 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. Our dry buffer tube cables feature fiber counts up to 144, compliance with EIA/TIA and REA/RUS PE-90, and are S-Z stranded for easy mid-span access. The dry buffer tube and core permit rapid cable preparation and termination. Water blocking materials are easily removed. Industry standard designs combined with innovative technologies, such as a dry core and dry tube product, yield a world class cable that will support today's and tomorrow's technological needs.

Applications

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

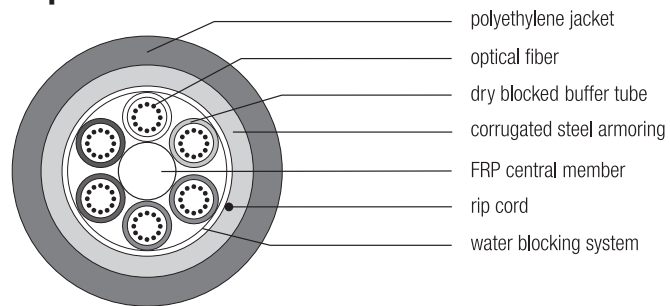
Temperature Range

Operating: -40°C to + 70°C

Storage : -40°C to + 75°C

Installation: -30°C to + 60°C

Cable Components



Typical Lengths

MAXIMUM LENGTHS*				
FIBER COUNT	SINGLE-MODE		MULTIMODE	
	FEET	METERS	FEET	METERS
6 - 60	39,370	12,000	26,200	8,000
72 - 96	32,800	10,000	26,200	8,000
108 - 120	31,100	9,500	26,200	8,000
132 - 144	22,900	7,000	22,900	7,000

* 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)	
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	850nm	1300nm
(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
(Q) Non-zero Dispersion-shifted Single-mode	N/A	N/A	N/A	0.25	N/A	N/A	N/A	N/A
(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.

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Ordering Information

AFL NO.	FIBER COUNT	NUMBER OF TUBES/FIBERS	NOMINAL DIAMETER INCHES (MM)	NOMINAL WEIGHT LBS/1,000FT (KG/KM)	MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
					LBS. (N)		INCHES (CM)	
					SHORT TERM	LONG TERM	SHORT TERM	LONG TERM
LE006★C5201S1D	6	1w/6 (4 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE012★C5201S1D	12	1w/12 (4 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE018★C5201S1D	18	1w/12, 1w/6 (3 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE024★C5201S1D	24	2w/12 (3 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE030★C5201S1D	30	2w/12, 1w/6 (2 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE036★C5201S1D	36	3w/12 (2 fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE048★C5201S1D	48	4w/12 (1 filler)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE060★C5201S1D	60	5w/12 (No fillers)	0.52 (13.2)	94 (140)	600 (2700)	180 (800)	10.4 (26.4)	5.2 (13.2)
LE072★C6201S1D	72	6w/12 (No fillers)	0.55 (14.0)	108 (161)	600 (2700)	180 (800)	11.0 (28.0)	5.5 (14.0)
LE084★C8201S1D	84	7w/12 (1 filler)	0.62 (15.8)	130 (193)	600 (2700)	180 (800)	12.4 (31.6)	6.2 (15.8)
LE096★C8201S1D	96	8w/12 (No fillers)	0.62 (15.8)	130 (193)	600 (2700)	180 (800)	12.4 (31.6)	6.2 (15.8)
LE108★CA201S1D	108	9w/12 (1 filler)	0.70 (17.7)	159 (237)	600 (2700)	180 (800)	14.0 (35.4)	7.0 (17.7)
LE120★CA201S1D	120	10w/12 (No fillers)	0.70 (17.7)	159 (237)	600 (2700)	180 (800)	14.0 (35.4)	7.0 (17.7)
LE132★CC201S1D	132	11w/12 (1 filler)	0.77 (19.6)	192 (285)	600 (2700)	180 (800)	15.4 (39.2)	7.7 (19.6)
LE144★CC201S1D	144	12w/12 (No fillers)	0.77 (19.6)	192 (285)	600 (2700)	180 (800)	15.4 (39.2)	7.7 (19.6)

Note: Diameter and weight subject to change without notice

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

- 5 = 50/125µm multimode GIGA-Link™ 600
- 7 = 50/125µm multimode GIGA-Link™ 2000
- 6 = 62.5/125µm multimode GIGA-Link™ 300
- 8 = 62.5/125µm multimode GIGA-Link™ 1000
- 9 = Single-mode
- L = 50/125µm multimode Laser-Link™ 300
- K = SM Futureguide SR-15e Bend Insensitive
- Q = Non-zero dispersion-shifted single-mode