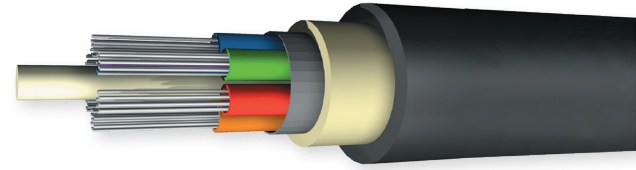


Gel-Free Non-Armored OSP Loose Tube (LE Series Gel-Free SJ)

AFL LE-Series Gel-Free Single Jacket fiber optic cables incorporate dry water-absorption technology within the fiber-containing buffer tubes. This results in user-friendly handling of fibers during routing and termination within the splice enclosures.



Features

- Build America/Buy America options available
- Fiber counts up to 216
- Gel-free buffer tubes reduce fiber prep termination time
- Reverse-oscillated (SZ stranded) to allow slack for mid-span access
- UV-stabilized outer jacket for long-term performance in aerial applications

Applications

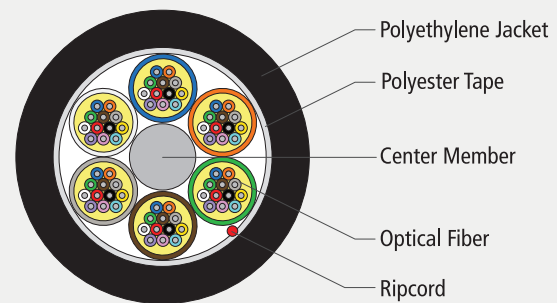
- Distribution
- Underground Duct
- Long Haul Networking
- Building Interconnections (Campus LAN)
- Local Loop
- Lashed Aerial

Typical Lengths

Fiber Count	Maximum Lengths*	
	Single-Mode	
	Feet	Meters
12 - 60	22,900	7,000
72 - 96	22,900	7,000
97 - 216	22,900	7,000

* Longer lengths may be available upon request.

Cable Components



Fiber Specifications

Fiber Type	"X"	Standard	Mode Field Diameter	Attenuation	
				1300 nm	1550 nm
250 µm Single-mode	9	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25
Corning 250 µm Single-mode	AZ	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25
BABA-Compliant 250 µm Single-mode	BK	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25
BABA-Compliant Corning 250 µm Single-mode	BL	ITU-T G.652D/657.A1	9.2 µm nominal	0.35	0.25



continued
→

Gel-Free Non-Armored OSP Loose Tube (LE Series Gel-Free SJ)

Mechanical Data

AFL No.	Fiber Count	No. of Tubes	Nominal Diameter	Nominal Weight	Maximum Tensile Load		Minimum Bend Radius	
					Lbs (N)		Inches (cm)	
					Fibers/Tube	Inches (mm)	Lbs/1,000 ft (kg/km)	Short Term
LE012xC5101N1D**	12	1-12 (4 fillers)	0.37 (9.5)	44 (65)	600 (2670)	180 (800)	7.4 (19)	5.6 (14)
LE024xC5101N1D**	24	2-12 (3 fillers)	0.37 (9.5)	44 (65)	600 (2670)	180 (800)	7.4 (19)	5.6 (14)
LE048xC5101N1D**	48	4-12 (1 fillers)	0.37 (9.5)	42 (63)	600 (2670)	180 (800)	7.4 (19)	5.6 (14)
LE072xC6101N1D**	72	6-12 (no fillers)	0.41 (10.3)	50 (75)	600 (2670)	180 (800)	8.2 (21)	6.2 (16)
LE096xC8101N1D**	96	8-12 (no fillers)	0.47 (11.9)	68 (101)	600 (2670)	180 (800)	9.4 (24)	7.1 (18)
LE144xCC101N1D**	144	12-12 (no fillers)	0.61 (15.3)	110 (165)	600 (2670)	180 (800)	12.2 (31)	9.2 (22)
LE216xCI301N1D**	216	18-12 (no fillers)	0.61 (15.3)	97 (145)	600 (2670)	180 (800)	12.2 (31)	9.2 (22)

Note: Diameter and weight subject to change without notice

* Fiber Types - Replace "x" in AFL number with number in the Fiber Specifications table on previous page.

** For BABA-Compliant Part Number, add "-B" to end of part number.

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.

Qualifications

Governing Body	Standard Code	Component
Telcordia	GR-20-CORE	Cable
ICEA	640	Cable
TIA	598-D	Fiber

Temperature Specifications

Temperature Range	
Operation	-40°C to +70°C
Storage	-40°C to +75°C
Installation	-30°C to +70°C

Contact AFL for your customized cable solution.

