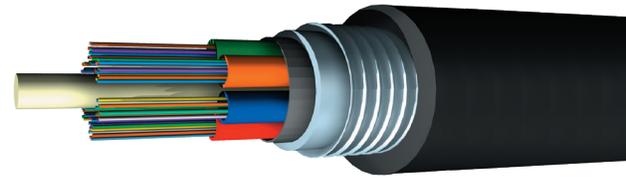


LE Gel-Free Armored Loose Tube

AFL LE-Series Gel-Free Armored fiber optic cables incorporate dry water-absorption technology within the fiber-containing buffer tubes along with the protection of steel corrugated armor.



Features

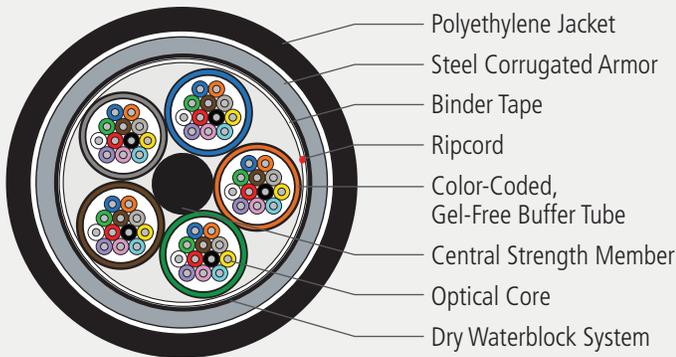
- Fiber counts from 12 to 288
- Gel-free buffer tubes reduce fiber prep termination time
- UV-stabilized outer jacket for long-term performance in aerial applications
- Crush and rodent-resistant protection from steel armor
- Easy to prep

Applications

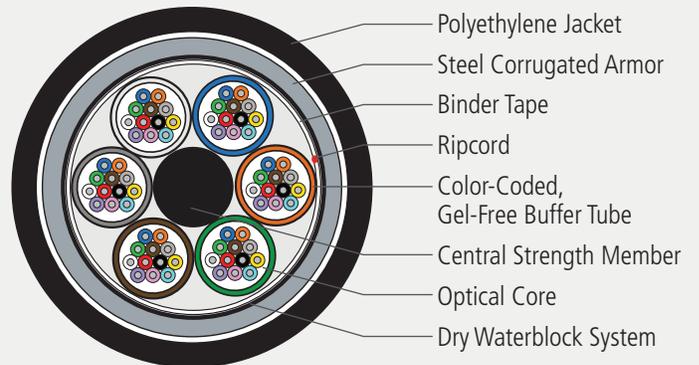
- Distribution
- Direct bury
- Underground duct
- Long Haul networking
- Building Interconnections (Campus LAN)
- Local Loop
- Lashed Aerial

Cable Components

Armored Loose Tube Cable with 5-unit Fiber Optic Core



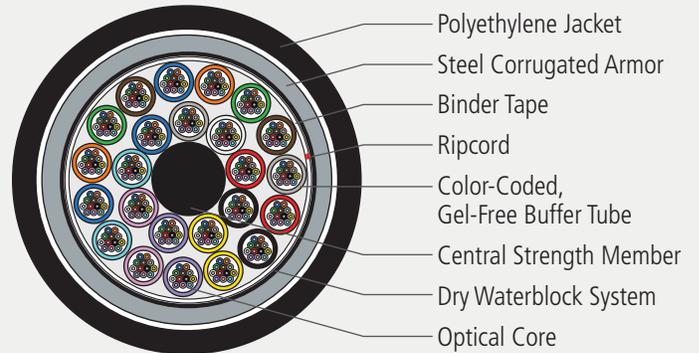
Armored Loose Tube Cable with 6-unit Fiber Optic Core



Armored Loose Tube Cable with 12-unit Fiber Optic Core



Armored Loose Tube Cable with 24-unit Fiber Optic Core



continued
→

LE Gel-Free Armored Loose Tube

Fiber Specifications

Fiber Type	Maximum Attenuation (dB/km)		Gigabit Ethernet Minimum Link Distance (meters)
	1310 nm	1550 nm	1300 nm
Single-mode G652D	0.35	0.25	5000

Typical Lengths

Fiber Count	Maximum Lengths*	
	Feet	Meters
12-288	20,000	6096

Mechanical Data - SJSJ Loose Tube G652D

AFL No.	Description	Fiber Count	Nominal Cable OD	Nominal Weight	Maximum Tensile Load	
			Inches (mm)	lbs/kft (kg/km)	Short Term Lbs (N)	Long Term Lbs (N)
LE012XXX201S1D	GEL FREE ARMORED,AFL-STD,12,SM, Fiber G652.D Compliant	12	0.46 (11.7)	89 (132)	600 (2,700)	180 (800)
LE024XXX201S1D	GEL FREE ARMORED,AFL-STD,24,SM, Fiber G652.D Compliant	24	0.46 (11.7)	89 (132)	600 (2,700)	180 (800)
LE048XXX201S1D	GEL FREE ARMORED,AFL-STD,48,SM, Fiber G652.D Compliant	48	0.46 (11.7)	89 (132)	600 (2,700)	180 (800)
LE072XXX201S1D	GEL FREE ARMORED,AFL-STD,72,SM, Fiber G652.D Compliant	72	0.49 (12.3)	100 (149)	600 (2,700)	180 (800)
LE096XXX201S1D	GEL FREE ARMORED,AFL-STD,96,SM, Fiber G652.D Compliant	96	0.56 (14.3)	125 (186)	600 (2,700)	180 (800)
LE144XXX201S1D	GEL FREE ARMORED,AFL-STD,144,SM, Fiber G652.D Compliant	144	0.69 (17.6)	182 (271)	600 (2,700)	180 (800)
LE288XXX201S1D	GEL FREE ARMORED,AFL-STD,288,SM, Fiber G652.D Compliant	288	0.80 (20.3)	228 (340)	600 (2,700)	180 (800)

NOTE: Diameter and weight subject to change without notice.
 Minimum Bend Radius Inches (cm) / Short Term (Long Term): 20 x Cable OD (10 x Cable OD)

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
Telcordia	GR-20-CORE	Cable
ICEA	640	Cable
TIA	598-D	Fiber
ITU-T	G652D	Fiber

Temperature Specifications

TEMPERATURE RANGE	
Operation	-40°C to +70°C
Storage	-40°C to +75°C
Installation	-30°C to +70°C