

LOOSE TUBE

Indoor/Outdoor UNI-Flex™
Indoor/Outdoor Stranded
Design
Heavy Duty UNI-Flex™
All-Dielectric UNI-Flex™
Armored UNI-Flex™
Duct Stranded Design
Armored Stranded Design

AFL, through superior product engineering, has assembled a portfolio of loose tube cable products that deliver the performance and reliability you need. Outdoors, these loose tube cables feature tough UV and moisture resistant outer jackets with superior temperature performance. Integrated strength members provide strength yet remain flexible enough to allow fast and easy installation. This exceptional housing provides protection for the fiber optic components that feature dry core designs and polymer impregnated binders. The end result is a loose tube cable with a high fiber count to diameter ratio, with increased bandwidth, increased capacity and fewer splice points. This, coupled with easy fiber access, gives you a loose tube cable on which you can rely for decades.



Alcoa Fujikura Ltd.
Telecommunications Division

www.aflfiber.com
1-800-235-3423

INDOOR/OUTDOOR UNI-FLEX™



Indoor/Outdoor UNI-Flex™

AFL's line of uni-tube loose tube optical fiber cable products are world class. The single tube products allow for installations that require a high degree of flexibility combined with a small cable diameter.

AFL has designed a cable that has all the characteristics of stranded loose tube cables from a mechanical and environmental standpoint, and has combined this with the high flexibility and small diameter requirements of real world installations. This cable is the ultimate solution for flexible, connectorized applications, as well as crowded ducts in existing fiber applications.

AFL's **Indoor/Outdoor UNI-Flex™** not only services the outside plant environment, but also qualifies as an Indoor/Outdoor cable, allowing potential cost savings with fewer splice points.

APPLICATIONS

- Service (Drop) Cables
- Building Interconnections (Campus LAN)
- Connectorized Trunking Cables
- Distance Learning
- Distribution

FEATURES & BENEFITS

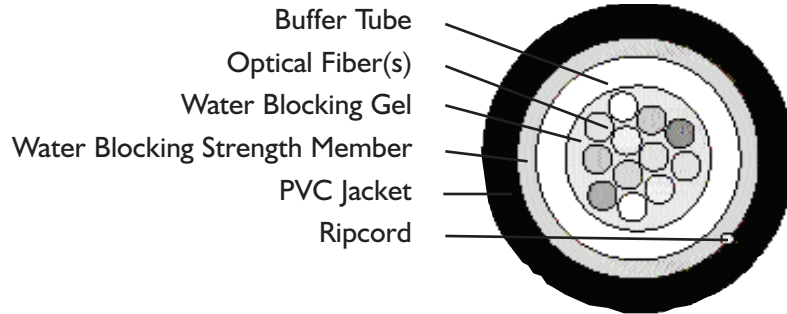
- 200/500 MHz • km (increased bandwidth) for higher data rates
- U.V. resistant outer jacket
- Dry core design
- Easy fiber access for installation
- Color coded fibers
- Highly flexible
- Small diameter
- Superior temperature performance
- Meets qualifications of Bellcore GR-20-CORE
- Stiffening rods eliminated
- Hybrid constructions
- Ripcords for easy removal
- Complies with EIA/TIA standards
- ETL listed for OFNR use

INSTALLATIONS

- Duct
- Direct Buried
- Lashed to Aerial Messenger
- Aerial Node to Trunk Interconnect

INDOOR / OUTDOOR UNI-FLEX™

- Temperature Range:
 Storage: -40°C to +75°C
 Operating: -40°C to +70°C



ORDERING INFORMATION

Item Number *see below	Fiber Count	Nominal Dia.	Nominal Wt.	Maximum Tensile Load		Minimum Bend Radius	
		inches	lbs/1,000ft	lbs (N)		inches (cm)	
		(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LV002*21100N1	2	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)
LV004*41100N1	4	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)
LV006*61100N1	6	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)
LV008*81100N1	8	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)
LV010*A1100N1	10	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)
LV012*C1100N1	12	0.30	47	600	200	6.0	3.0
		(7.6)	(70)	(2,700)	(890)	(15.2)	(7.6)

***Fiber Types**

- 5 = 50/125/250µm multimode
- 6 = 62.5/125/125µm multimode
- 9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

INDOOR/OUTDOOR STRANDED DESIGN



Indoor/Outdoor Stranded

AFL's **Indoor/Outdoor Stranded Loose Tube Cables** are one of the best time and money saving innovations to enter the installation marketplace.

Indoor/outdoor stranded loose tube combines the robust mechanical and environmental characteristics of an outside plant cable with the flexibility of a riser cable designed for the inside plant.

By installing indoor/outdoor stranded loose tube, costly splice locations entering into a building are avoided. They can be routed directly from the outside plant to telecommunications closets, or main distribution frames (MDF) through the riser of a building (thereby eliminating the "50 foot rule").

APPLICATIONS

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

FEATURES & BENEFITS

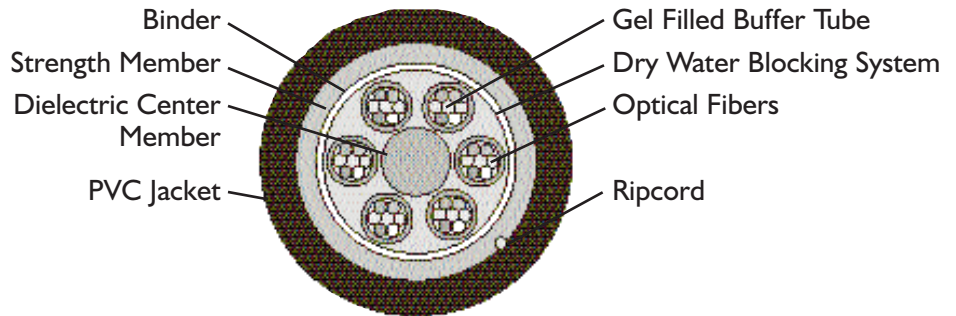
- 200/500 MHz • km (increased bandwidth) for higher data rates
- S-Z Stranded for easy mid-span access
- U.V. resistant outer jacket
- Hybrids available
- Dry core design
- Fiber counts up to 144
- Easy fiber access for installation
- Color coded buffer tubes and fibers
- High fiber count to diameter ratio
- Superior temperature performance
- UL listed type OFNR (UL 1666) riser-rated
- Meets qualifications of Bellcore GR-20-CORE
- Moisture Resistant

INSTALLATIONS

- Duct
- Direct Buried
- Lashed to Aerial Messenger

INDOOR/OUTDOOR STRANDED DESIGN

- Temperature Range:
Storage: -40°C to +75°C
Operating: -40°C to +70°C



ORDERING INFORMATION

Item Number*	Fiber Count	Number of Tubes/ Fibers	Nominal Dia.	Nominal Wt.	Maximum Tensile Load		Minimum Bend Radius	
			inches	lbs/1,000ft	lbs (N)		inches (cm)	
			(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LV006*66101N1	6	1w/6	0.44	94	600	200	8.8	4.4
		(5 fillers)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV012*66101N1	12	2w/6	0.44	94	600	200	8.8	4.4
		(4 fillers)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV018*66101N1	18	3w/6	0.44	94	600	200	8.8	4.4
		(3 fillers)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV024*66101N1	24	4w/6	0.44	94	600	200	8.8	4.4
		(2 fillers)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV030*66101N1	30	5w/6	0.44	94	600	200	8.8	4.4
		(1 filler)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV036*66101N1	36	6w/6	0.44	94	600	200	8.8	4.4
		(No fillers)	(11.2)	(140)	(2,700)	(890)	(22.4)	(11.2)
LV048*C5101N1	48	4w/12	0.51	121	600	200	10.2	5.1
		(1 filler)	(13.0)	(180)	(2,700)	(890)	(26.0)	(13.0)
LV060*C5101N1	60	5w/12	0.51	121	600	200	10.2	5.1
		(No fillers)	(13.0)	(180)	(2,700)	(890)	(26.0)	(13.0)
LV072*C6101N1	72	6w/12	0.55	141	600	200	10.9	5.5
		(No fillers)	(13.9)	(210)	(2,700)	(890)	(27.8)	(13.9)
LV084*C8101N1	84	7w/12	0.63	188	600	200	12.6	6.3
		(1 filler)	(16.1)	(280)	(2,700)	(890)	(32.2)	(16.1)
LV096*C8101N1	96	8w/12	0.63	188	600	200	12.6	6.3
		(No fillers)	(16.1)	(280)	(2,700)	(890)	(32.2)	(16.1)
LV108*CA101N1	108	9w/12	0.71	242	600	200	14.3	7.1
		(1 filler)	(18.1)	(360)	(2,700)	(890)	(36.2)	(18.1)
LV120*CA101N1	120	10w/12	0.71	242	600	200	14.3	7.1
		(No fillers)	(18.1)	(360)	(2,700)	(890)	(36.2)	(18.1)
LV132*CC101N1	132	11w/12	0.79	300	600	200	15.8	7.9
		(1 filler)	(20.1)	(445)	(2,700)	(890)	(40.2)	(20.1)
LV144*CC101N1	144	12w/12	0.79	300	600	200	15.8	7.9
		(No fillers)	(20.1)	(445)	(2,700)	(890)	(40.2)	(20.1)

***Fiber Types**

- 5 = 50/125/250µm multimode
- 6 = 62.5/125/125µm multimode
- 9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

HEAVY DUTY UNI-FLEX™



Heavy Duty UNI-Flex™

Alcoa Fujikura Ltd.'s line of single tube loose tube optical fiber cable products are world class. The single tube products will allow for installations that require a high degree of flexibility combined with a small diameter.

AFL has designed a cable that has all of the characteristics of stranded loose tube cables from a mechanical and environmental standpoint and combined this with the high flexibility and small diameter requirements of real world installations. This cable is the ultimate solution for flexible, connectorized applications, as well as crowded ducts in existing fiber applications.

Our **Heavy Duty UNI-Flex™** cable not only services the outside plant environment, but also qualifies as an Indoor/Outdoor cable, allowing cost savings with fewer splice points.

APPLICATIONS

- Service (Drop) Cables
- Building Interconnections (Campus LAN)
- Connectorized Trunking Cables
- Distant Learning
- Distribution

FEATURES & BENEFITS

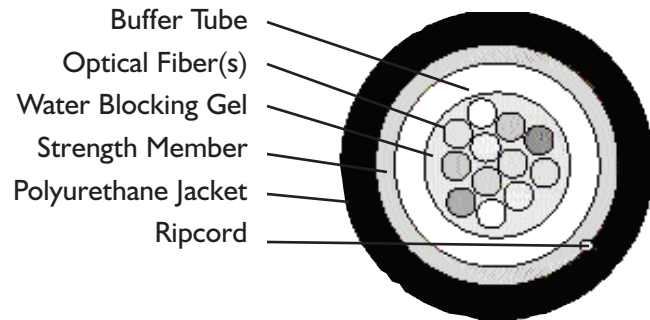
- 200/500 MHz • km (increased bandwidth) for higher data rates
- U.V. Resistant Outer Jacket
- Easy fiber access for installation
- Color coded fibers
- Highly flexible
- Small diameter
- Superior temperature performance
- Dry core design
- Meets qualifications of Bellcore GR-20-CORE
- Stiffening rods eliminated
- ETL listed type OFN (indoor/outdoor use)

INSTALLATIONS

- Duct
- Direct Buried
- Lashed to Aerial Messenger
- Aerial Node to Trunk Interconnect

HEAVY DUTY UNI-FLEX™

- Temperature Range:
Storage: -40°C to +75°C
Operating: -40°C to +70°C



ORDERING INFORMATION

Item Number*	Fiber Count	Nominal Dia.	Nominal Wt.	Maximum Tensile Load		Minimum Bend Radius	
		inches	lbs/1,000ft	lbs (N)		inches (cm)	
		(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LU002*21100N1	2	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)
LU004*41100N1	4	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)
LU006*61100N1	6	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)
LU008*81100N1	8	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)
LU010*A1100N1	10	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)
LU012*C1100N1	12	0.31	37	600	200	6.2	3.1
		(7.8)	(55)	(2,700)	(890)	(15.6)	(7.8)

*Fiber Types

5 = 50/125/250µm multimode

6 = 62.5/125/250µm multimode

9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

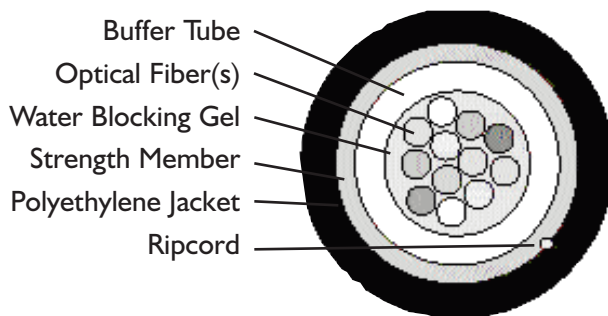
NOTE: Diameter and weight subject to change without notice

ALL-DIELECTRIC UNI-FLEX™



All-Dielectric UNI-Flex™
Loose Tube Cable

- Temperature Range:
Storage: -45°C to +75°C
Operating: -40°C to +70°C
- Highly Flexible
- Small Diameter



ORDERING INFORMATION

Item Number*	Fiber Count	Nominal Dia.	Nominal Wt.	Maximum Tensile Load		Minimum Bend Radius	
		inches	lbs/1,000ft	lbs (N)		inches (cm)	
		(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LE002*21100N1	2	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)
LE004*41100N1	4	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)
LE006*61100N1	6	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)
LE008*81100N1	8	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)
LE010*A1100N1	10	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)
LE012*C1100N1	12	0.35 (8.8)	40 (60)	600 (2,700)	200 (890)	7.0 (17.4)	3.5 (8.8)

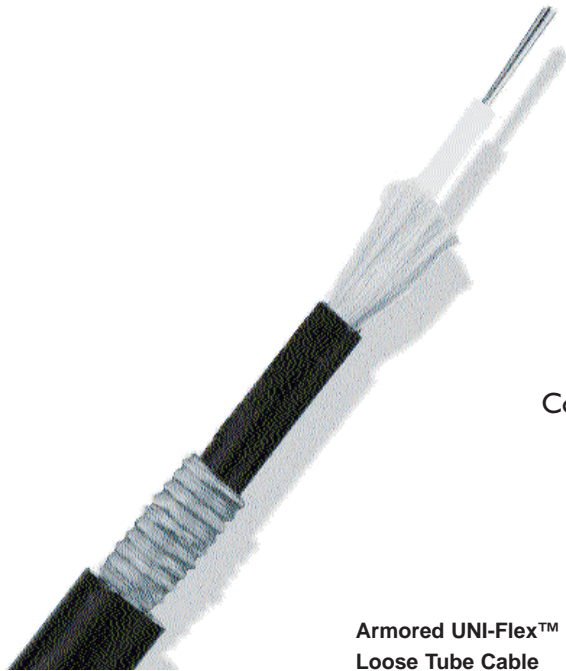
***Fiber Types**

- 5 = 50/125/250µm multimode
- 6 = 62.5/125/250µm multimode
- 9 = 9/125/250µm single-mode

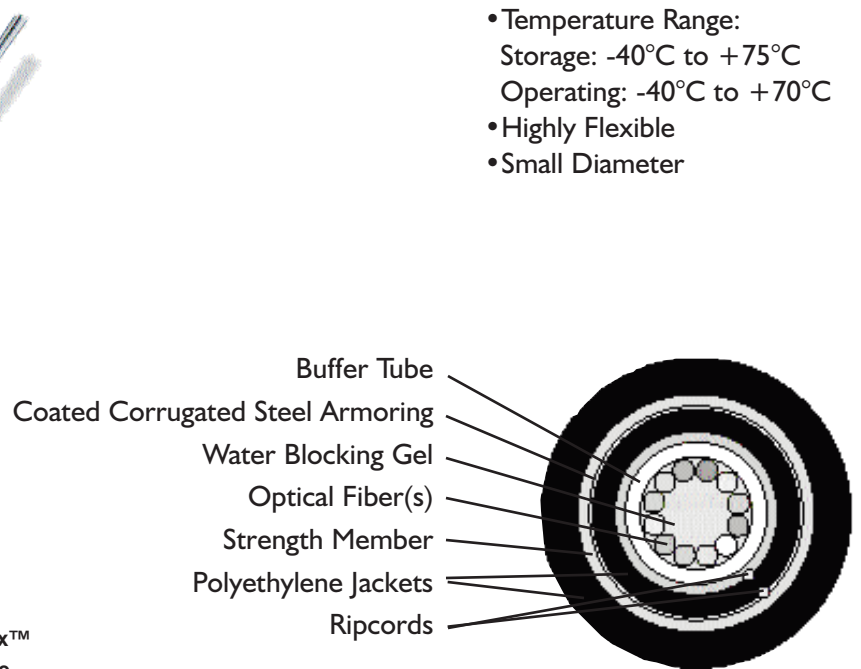
Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

ARMORED UNI-FLEX™



Armored UNI-Flex™
Loose Tube Cable



ORDERING INFORMATION

Item Number*	Fiber Count	Nominal Dia.	Nominal Wt.	Maximum Tensile Load		Minimum Bend Radius	
		inches	lbs/1,000ft	lbs (N)		inches (cm)	
		(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LE002*21130S1	2	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)
LE004*41130S1	4	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)
LE006*61130S1	6	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)
LE008*81130S1	8	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)
LE010*A1130S1	10	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)
LE012*C1130S1	12	0.57	121	600	200	11.4	5.7
		(14.6)	(180)	(2,700)	(890)	(29.2)	(14.6)

***Fiber Types**

- 5 = 50/125/250µm multimode
- 6 = 62.5/125/125µm multimode
- 9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

STRANDED DESIGN (DUCT & ARMORED)



Outdoor Stranded

Stranded loose tube cables act as the backbone for most of today's fiber based systems. They are the link to the office and ultimately to the desk. With the ever expanding need for bandwidth through the growth of technology such as internet applications, cellular communications, high speed modems and ISDN, fiber optics play a critical role in any high speed network.

AFL's **Stranded Loose Tube** fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations. 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.

APPLICATIONS

- Long Haul Networking
- Building Interconnections (Campus LAN)
- Trunking
- Local Loop
- Feeder
- Distant Learning
- Distribution

FEATURES / BENEFITS

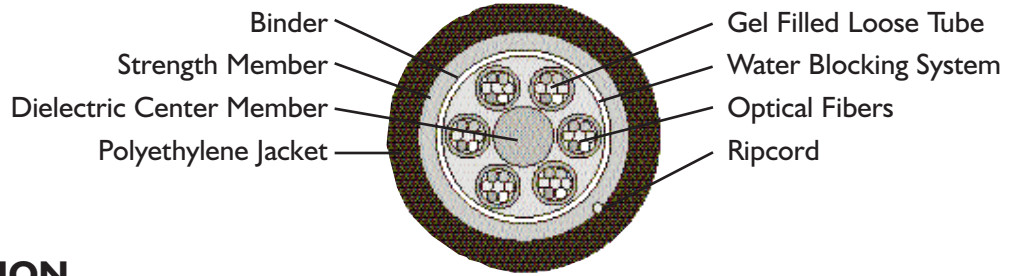
- 200/500 MHz • km (increased bandwidth) for higher data rates
- S-Z stranded for easy mid-span access
- Dry core design
- Fiber counts up to 432
- Complies with EIA/TIA
- Ripcords
- Easy fiber access for installation
- Color coded buffer tubes and fibers
- High fiber count to diameter ratio
- Superior temperature performance (-60°C operating temperature available)
- Meets qualifications of Bellcore GR-20-CORE
- Designed in compliance with REA/RUS PE-90 requirements
- Custom designs available

INSTALLATIONS

- Duct
- Direct Buried
- Lashed to Aerial Messenger

STRANDED DESIGN (DUCT)

- Temperature Range:
Storage: -45°C to +75°C
Operating: -40°C to +70°C



ORDERING INFORMATION

Item Number*	Fiber Count	Number of Tubes/ Fibers	Nominal Dia.	Nominal Wt	Maximum Tensile Load		Minimum Bend Radius	
			inches	lbs/1,000ft	lbs (N)	lbs (N)	inches (cm)	inches (cm)
			(mm)	(kg/km)	Short Term	Long Term	Short Term	Long Term
LE006*66101N1	6	1w/6	0.40	57	600	200	8.0	4.0
		(5 fillers)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE012*66101N1	12	2w/6	0.40	57	600	200	8.0	4.0
		(4 fillers)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE018*66101N1	18	3w/6	0.40	57	600	200	8.0	4.0
		(3 fillers)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE024*66101N1	24	4w/6	0.40	57	600	200	8.0	4.0
		(2 fillers)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE030*66101N1	30	5w/6	0.40	57	600	200	8.0	4.0
		(1 filler)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE036*66101N1	36	6w/6	0.40	57	600	200	8.0	4.0
		(no fillers)	(10.2)	(85)	(2,700)	(890)	(20.4)	(10.2)
LE048*C5101N1	48	4w/12	0.47	74	600	200	9.4	4.7
		(1 filler)	(12.0)	(110)	(2,700)	(890)	(24.0)	(12.0)
LE060*C5101N1	60	5w/12	0.47	74	600	200	9.4	4.7
		(no fillers)	(12.0)	(110)	(2,700)	(890)	(24.0)	(12.0)
LE072*C6101N1	72	6w/12	0.51	91	600	200	10.2	5.1
		(no fillers)	(12.9)	(135)	(2,700)	(890)	(25.8)	(12.9)
LE084*C8101N1	84	7w/12	0.59	118	600	200	11.8	5.9
		(1 filler)	(15.1)	(175)	(2,700)	(890)	(30.2)	(15.1)
LE096*C8101N1	96	8w/12	0.59	118	600	200	11.8	5.9
		(no fillers)	(15.1)	(175)	(2,700)	(890)	(30.2)	(15.1)
LE108*CA101N1	108	9w/12	0.67	150	600	200	13.4	6.7
		(1 filler)	(17.1)	(220)	(2,700)	(890)	(34.2)	(17.1)
LE120*CA101N1	120	10w/12	0.67	150	600	200	13.4	6.7
		(no fillers)	(17.1)	(220)	(2,700)	(890)	(34.2)	(17.1)
LE132*CC101N1	132	11w/12	0.75	185	600	200	15.0	7.5
		(1 filler)	(19.1)	(275)	(2,700)	(890)	(38.2)	(19.1)
LE144*CC101N1	144	12w/12	0.75	185	600	200	15.0	7.5
		(no fillers)	(19.1)	(275)	(2,700)	(890)	(38.2)	(19.1)
LE216*CI301N1	216	18w/12	0.76	192	600	200	15.2	7.6
		(no fillers)	(19.3)	(285)	(2,700)	(890)	(38.6)	(19.3)
LE288*CO301N1	288	24w/12	0.89	255	600	200	17.8	8.9
		(no fillers)	(22.5)	(380)	(2,700)	(890)	(45.0)	(22.5)
LE432*IO301N1S	432	24w/18	0.89	263	600	200	17.8	8.9
		(no fillers)	(22.5)	(392)	(2,700)	(890)	(45.0)	(22.5)

***Fiber Types**

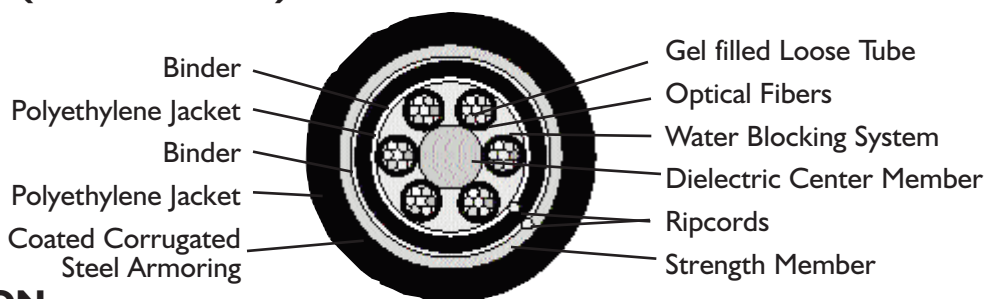
- 5 = 50/125/250µm multimode
- 6 = 62.5/125/125µm multimode
- 9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

STRANDED DESIGN (ARMORED)

- Temperature Range:
Storage: -45°C to +75°C
Operating: -40°C to +70°C



ORDERING INFORMATION

Item Number*	Fiber Count	Number of Tubes/ Fibers	Nominal Dia.		Nominal Wt.		Maximum Tensile Load		Minimum Bend Radius					
			inches	(mm)	lbs/1,000ft	(kg/km)	lbs (N)	lbs (N)	inches (cm)	inches (cm)				
							Short Term	Long Term	Short Term	Long Term				
LE006*66111S1	6	1w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(5 fillers)												
LE012*66111S1	12	2w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(4 fillers)												
LE018*66111S1	18	3w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(3 fillers)												
LE024*66111S1	24	4w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(2 fillers)												
LE030*66111S1	30	5w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(1 filler)												
LE036*66111S1	36	6w/6	0.57	(14.4)	121	(180)	600	(2,700)	200	(890)	11.4	(28.8)	5.7	(14.4)
		(no fillers)												
LE048*C5111S1	48	4w/12	0.64	(16.2)	148	(220)	600	(2,700)	200	(890)	12.8	(34.2)	6.4	(16.2)
		(1 filler)												
LE060*C5111S1	60	5w/12	0.64	(16.2)	148	(220)	600	(2,700)	200	(890)	12.8	(34.2)	6.4	(16.2)
		(no fillers)												
LE072*C6111S1	72	6w/12	0.67	(17.1)	168	(250)	600	(2,700)	200	(890)	13.4	(34.2)	6.7	(17.1)
		(no fillers)												
LE084*C8111S1	84	7w/12	0.76	(19.3)	205	(305)	600	(2,700)	200	(890)	15.2	(38.6)	7.6	(19.3)
		(1 filler)												
LE096*C8111S1	96	8w/12	0.76	(19.3)	205	(305)	600	(2,700)	200	(890)	15.2	(38.6)	7.6	(19.3)
		(no fillers)												
LE108*CA111S1	108	9w/12	0.84	(21.3)	245	(365)	600	(2,700)	200	(890)	16.8	(42.6)	8.4	(21.3)
		(1 filler)												
LE120*CA111S1	120	10w/12	0.84	(21.3)	245	(365)	600	(2,700)	200	(890)	16.8	(42.6)	8.4	(21.3)
		(no fillers)												
LE132*CC111S1	132	11w/12	0.92	(23.3)	292	(435)	600	(2,700)	200	(890)	18.4	(46.6)	9.2	(23.3)
		(1 filler)												
LE144*CC111S1	144	12w/12	0.92	(23.3)	292	(435)	600	(2,700)	200	(890)	18.4	(46.6)	9.2	(23.3)
		(no fillers)												
LE216*CI111S1	216	18w/12	0.93	(23.5)	299	(445)	600	(2,700)	200	(890)	18.6	(47.0)	9.3	(23.5)
		(no fillers)												
LE288*CO111S1	288	24w/12	1.05	(26.7)	383	(570)	600	(2,700)	200	(890)	21.0	(53.4)	10.5	(26.7)
		(no fillers)												

*Fiber Types

- 5 = 50/125/250µm multimode
- 6 = 62.5/125/250µm multimode
- 9 = 9/125/250µm single-mode

Contact the factory for special fiber types/performance

Note: Diameter and weight subject to change without notice

REEL INFORMATION

Stranded Design		A		B		C		D		E	
		72" x 34"		60" x 30"		42" x 30"		30" x 14"		24" x 15"	
Outer Diameter		35" Drum		30" Drum		20" Drum		12" Drum		10" Drum	
mm	inches	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet
25.00-25.49	0.984-1.004	2,530	8,299	1,453	4,768	672	2,205				
24.50-24.99	0.965-0.984	2,636	8,650	1,515	4,970	701	2,299				
24.00-24.49	0.945-0.964	2,750	9,023	1,580	5,185	731	2,399				
23.50-23.99	0.925-0.944	2,871	9,420	1,650	5,414	764	2,505				
23.00-23.49	0.906-0.925	3,000	9,843	1,725	5,658	798	2,619				
22.50-22.99	0.886-0.905	3,138	10,296	1,804	5,919	835	2,740				
22.00-22.49	0.866-0.885	3,285	10,779	1,889	6,198	875	2,870				
21.50-21.99	0.846-0.866	3,443	11,297	1,980	6,497	917	3,009				
21.00-21.49	0.827-0.846	3,613	11,853	2,078	6,818	963	3,158				
20.50-20.99	0.807-0.826	3,795	12,451	2,183	7,162	1,011	3,319				
20.00-20.49	0.787-0.807	3,991	13,093	2,296	7,533	1,064	3,491				
19.50-19.99	0.768-0.787	4,202	13,787	2,418	7,934	1,121	3,678				
19.00-19.49	0.748-0.767	4,430	14,536	2,550	8,366	1,182	3,879				
18.50-18.99	0.728-0.748	4,678	15,347	2,693	8,834	1,249	4,097				
18.00-18.49	0.709-0.728	4,946	16,227	2,847	9,342	1,321	4,333				
17.50-17.99	0.689-0.708	5,237	17,184	3,016	9,895	1,399	4,591				
17.00-17.49	0.669-0.689	5,555	18,227	3,199	10,497	1,485	4,871				
16.50-16.99	0.650-0.669	5,903	19,367	3,400	11,155	1,578	5,178				
16.00-16.49	0.630-0.649	6,284	20,616	3,620	11,877	1,681	5,514				
15.50-15.99	0.610-0.630	6,702	21,989	3,861	12,669	1,793	5,883				
15.00-15.49	0.591-0.610	7,163	23,502	4,128	13,543	1,917	6,290	528	1,733		
14.50-14.99	0.571-0.590	7,673	25,174	4,422	14,509	2,054	6,741	567	1,859		
14.00-14.49	0.551-0.570	8,239	27,031	4,749	15,581	2,207	7,240	609	2,000		
13.50-13.99	0.531-0.551	8,869	29,098	5,113	16,776	2,376	7,797	657	2,156		
13.00-13.49	0.512-0.531	9,573	31,409	5,520	18,111	2,566	8,419	710	2,330		
12.50-12.99	0.492-0.511	10,364	34,005	5,977	19,611	2,779	9,118	770	2,527	509	1,671
12.00-12.49	0.472-0.492	11,257	36,933	6,493	21,302	3,020	9,907	838	2,748	554	1,818
11.50-11.99	0.453-0.472	12,268	40,252	7,077	23,221	3,292	10,802	914	3,000	605	1,984
11.00-11.49	0.433-0.452	13,422	44,037	7,744	25,408	3,603	11,822	1,002	3,287	663	2,175
10.50-10.99	0.413-0.433	14,744	48,377	8,508	27,916	3,960	12,991	1,102	3,616	729	2,392
10.00-10.49	0.394-0.413	16,271	53,386	9,391	30,812	4,371	14,342	1,218	3,996	806	2,644
9.50-9.99	0.374-0.393	18,046	59,210	10,417	34,178	4,850	15,912	1,353	4,439	895	2,937
9.00-9.49	0.354-0.374	20,126	66,034	11,619	38,123	5,411	17,753	1,511	4,957	1,000	3,281
8.50-8.99	0.335-0.354	22,585	74,102	13,041	42,788	6,074	19,929	1,698	5,571	1,124	3,687
8.00-8.49	0.315-0.334			14,738	48,356	6,866	22,528	1,921	6,304	1,272	4,174
7.50-7.99	0.295-0.315			16,787	55,080	7,823	25,666	2,191	7,190	1,451	4,760

AFL provides loose tube cable on standard size non-returnable wooden reels. Non-standard reel sizes are available upon request.

OPTICAL TRANSMISSION INFORMATION

	Multimode	Multimode	Single-Mode
	50/125µm	62.5/125µm	9/125µm
	(850nm/1300nm)	(850nm/1300nm)	(1310nm/1550nm)
Maximum Attenuation dB/km	3.0/2.0	4.0/2.0	0.4/0.3
Typical Attenuation dB/km	2.8/1.5	2.4/1.0	.36/.25
Bandwidth MHz • km	400/400	200/500	---

Reel	Weight	
	A	661 lbs
B	287 lbs	130 kg
C	148 lbs	67 kg
D	35 lbs	16 kg
E	22 lbs	10 kg

Premium transmission performance and special fiber types available upon request.

Note:

Weights include AFL standard packaging. Additional weight for wooden lagging.

- Standard packaging is thermal wrap for Reels A, B, C
- Reels D and E are shrink wrapped and shipped in boxes
- Maximum reel length of single tube cables is as follows:
 - Dielectric Single Tube: 8,000 meters (26,250 ft.)
 - Armored Single Tube: 8,000 meters (26,250 ft.)
 - Drop Cable: 8,000 meters (26,250 ft.)
- Maximum reel length is dependent upon fiber type desired