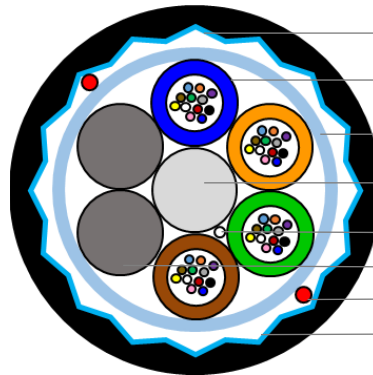


LA-LT-041 Light-Armored Fiber Optic Cable Series

Gel-Free, Single Jacket Single Armored, Flexible Loose Buffer Tubes, Easy Installation

Product Features

- Ideal for duct and direct-buried installations as well as general OSP installations
- Gel-free design and light weight
- Optical fiber counts up to 576
- Available with GR-20 certified single-mode and multi-mode optical fibers
- Designed and engineered in the US



- Outer PE Jacket
 - Dry Loose Tube with Fibers
 - Water Blocking Tape
 - Central Strength Member
 - Water Blocking Yarns
 - Filler
 - Rip Cord
 - Armor Tape
- (Illustration of a 48 count cable)

Product Description

Lexington Ames' LT-041 Light-Armored Single Jacket Loose Buffer Tube Cable is designed to meet the requirements specific to the North American standards for every day OSP installations under harsher underground conditions and provides the optical and mechanical performances perfectly equivalent to the cables that are being wide installed in North America. The cable is 100% gel-free and flexible for easy installation and routing.

The cable core consists of optical fibers, dry water swellable material, and PP loose buffer tubes, and poly ethylene fillers (if necessary), SZ-stranded around the dielectric central strength member with water blocking yarns. The cable structure is reinforced by the application of a water blocking core wrapping tape and a corrugated steel tape covered by rip cords and an flexible outer MDPE jacket. The construction of the cable guarantees flexibility and complete water blocking to ensure easy installation and long-term reliability.

Specifications							
Fiber Count	12-72	96	144	192-216	288	432	576
Cable OD - in. (mm)	0.472 (12.0)	0.528 (13.4)	0.642 (16.3)	0.669 (17.0)	0.752 (19.1)	0.870 (22.1)	0.965 (24.5)
Weight - lb/kft (kg/km)	86 (128)	105 (157)	150 (223)	147 (219)	185 (276)	222 (330)	270 (400)
Number of Fibers per Tube	12	12	12	12	12	12	24
Number of Tube Positions	6	8	12	18 (6+12)	24 (9+15)	18 (6+12+18)	24 (9+15)
Tube Diameter, mm	2.3	2.3	2.3	2.3	2.3	2.3	2.5
Jacket Thickness, mm	1.6	1.6	1.6	1.6	1.6	1.6	2.0
Mechanical Properties							
Minimum Bending Radius, Loaded		20 x OD	Maximum Rated Cable Load			607 lbf (2700 N)	
Minimum Bending Radius, Unloaded		10 x OD	Maximum Long Term Load			202 lbf (900 N)	
Operation Temperature Range		-40°C ~ +70°C	Maximum Crush Resistance			247 lbf (1100 N)	
Optical Fiber							
Fiber Type	Wavelengths (nm)	Max. Attenuation (~288F)		Max. Attenuation (432F~)		MFD@1310nm	Coated Diameter
G.652.D (D0)	1310/1550	0.35/0.25 dB/km		0.4/0.3 dB/km		9.2 ± 0.4 μm	250 ± 15 μm
G.657.A1 (A1)	1310/1550	0.35/0.25 dB/km		0.4/0.3 dB/km		8.9 ± 0.4 μm	250 ± 15 μm
Color Code							
Optical Fiber	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua, Blue ⁺ , Orange ⁺ , Green ⁺ , Brown ⁺ , Grey ⁺ , White ⁺ , Red ⁺ , Black ⁺ , Yellow ⁺ , Violet ⁺ , Pink ⁺ , Aqua ⁺						
Loose Tube	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua, Blue [†] , Orange [†] , Green [†] , Brown [†] , Grey [†] , White [†] , Red [†] , Black [†] , Yellow [†] , Violet [†] , Pink [†] , Aqua [†] , Blue ^{††} , Orange ^{††} , Green ^{††} , Brown ^{††} , Grey ^{††} , White ^{††} , Red ^{††} , Black ^{††} , Yellow ^{††} , Violet ^{††} , Pink ^{††} , Aqua ^{††}						

* single dot, † single stripe, †† double stripe

Part Number: LA-LT-041-L1-L2-L3-L4

L1 = Total fiber count (000) L2 = Fiber count per tube (12 or 24) L3 = Fiber type (D0, A1) L4 = PM (PP tube and MDPE Jacket)

LA-LT-041 Light-Armored Fiber Optic Cable Series

Packing and Shipping Information

- Reel Lengths: 13,123FT or 19,686FT for 12-72F, 13,123FT for 96-432F

Reel Information							
Fiber Count	Packing Dimension (in.)		Reel Dimension (in.)				
	Height	Width	Reel Diameter	Barrel Diameter	Outer Width	Inner Width	Arbor Hole D.
12-72 (19,686')	67.7	29.5	65.0	31.5	29.5	24.8	4.33
12-72 (13,123')	63.0	22.2	61.0	27.6	22.2	17.5	4.33
96	63.8	29.5	61.0	31.5	29.5	24.8	4.33
144	73.6	29.5	70.9	31.5	29.5	23.6	4.33
192-216	66.5	41.3	63.0	31.5	41.3	35.4	4.33
288	72.4	41.3	68.9	31.5	41.3	35.4	4.33
432	84.3	41.3	80.7	37.4	41.3	34.3	4.33

Shipping Information									
Fiber Count	Reel Length		Weight, lbs (kg)			20FT Container		40FT Container	
	FT	KM	Net Weight	Reel Weight	Gross Weight	Reel Count	Total Length	Reel Count	Total Length
12-72	19686	6	1693 (768)	639 (290)	2332 (1058)	9	177,165 FT	20	393,700 FT
12-72	13123	4	1129 (512)	476 (216)	1605 (728)	13	170,599 FT	29	380,567 FT
96	13123	4	1385 (628)	584 (265)	1969 (893)	10	131,230 FT	21	275,583 FT
144	13123	4	1967 (892)	838 (380)	2804 (1272)	9	118,107 FT	18	236,214 FT
192-216	13123	4	1931 (876)	882 (400)	2813 (1276)	6	78,738 FT	14	183,722 FT
288	13123	4	2434 (1104)	999 (453)	3433 (1557)	6	78,738 FT	12	157,476 FT
432	13123	4	2910 (1320)	1442 (654)	4352 (1974)	5	65,615 FT	11	144,353 FT

