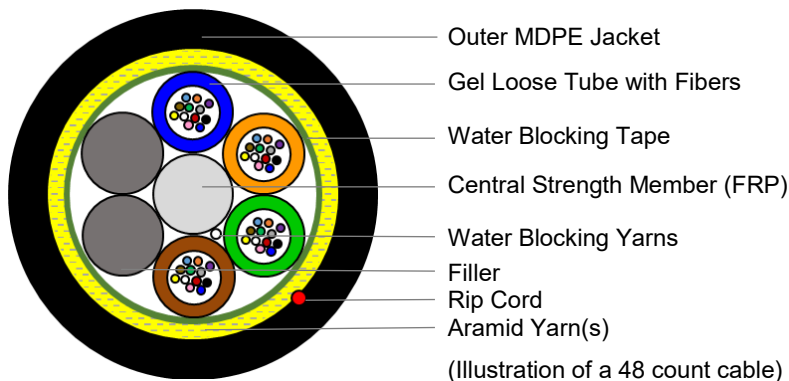


LA-ADSS-018 All Dielectric Self Supporting Fiber Optic Cable Series

Gel-Filled, Dry Core, Single Jacket Non Armored, Flexible Loose Buffer Tubes, Easy Installation

Product Features

- Ideal for aerial installations with maximum span of 300FT under NESC-H or 400 - 500FT under NESC-M or 500 - 660FT under NESC-L
- Optical fiber counts up to 288
- Available with GR-20 certified single-mode and multi-mode optical fibers
- Designed and engineered in the US



Product Description

Lexington Ames' ADSS-018 All Dielectric Self Supporting Single Jacket Loose Buffer Tube Cable is designed to meet the requirements specific to the North American weather grade standards for aerial installations and provides the optical and mechanical performances perfectly equivalent to the cables that are being wide installed in North America.

The cable core consists of optical fibers, dry water swellable material, and PBT or 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 high tensile strength Aramid yarns covered by a rip cord 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.

Standards: ITU-T G652.D/G657.A1, GR-20, IEEE 1222, TIA 598-D, IEC 60793-1/2, ISO 9001, TL 9000, RUS-Compliant

Specifications					
Fiber Count	12-72	96	144	192-216	288
Cable OD - in. (mm)	0.425 (10.8)	0.476 (12.1)	0.587 (14.9)	0.610 (15.5)	0.689 (17.5)
Weight - lb/kft (kg/km)	59 (88)	75 (112)	114 (170)	115 (171)	151 (225)
Fibers per Tube	12	12	12	12	12
Tube Positions	6	8	12	18 (6+12)	24 (9+15)
Recommended Initial Sag	Span 300FT (91M), Sag 1.0%				
MRCL - lb (N)	1349 (6000)	1529 (6800)	1933 (8600)	1933 (8600)	2360 (10500)

Mechanical Properties			
Minimum Bending Radius, Loaded	20 x OD	Maximum Impact Resistance	2.2 lbf (9.8 N)
Minimum Bending Radius, Unloaded	10 x OD	Maximum Crush Resistance	495 lbf (2200 N)
Operation Temperature Range	-40°C ~ +75°C (Storage), -10°C ~ +50°C (Installation), -40°C ~ +70°C (Operation)		

Optical Fiber					
Fiber type	Wavelengths (nm)	Max. Attenuation	Cladding Diameter	MFD@1310nm	Coated Diameter
G.652.D (D0)	1310/1550	0.35/0.25 dB/km	125 ± 0.7 µm	9.2 ± 0.4 µm	245 ± 15 µm
G.657.A1 (A1)	1310/1550	0.35/0.25 dB/km	125 ± 0.7 µm	8.9 ± 0.4 µm	245 ± 15 µm

Part Number: LA-ADSS-038-L1-L2-L3-L4

L1 = Total fiber count (000) L2 = Fiber count per tube (12 or 24) L3 = Fiber type (D0, A1, M1, M2, M3, M4) L4 = PM (PP tube and MDPE Jacket)

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LA-ADSS-018 All Dielectric Self Supporting Fiber Optic Cable Series

Sag-Tension Data - 1.0% Installation Sag

NESC Light Load - Wind speed 96 KMH or 60 MPH, Ice thickness 0 mm

Fiber Count	Span		Installation Sag & Tension			Maximum Loaded Sag & Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag %	lbs	kgf
12-72	656	200	1.0	483	219	3.2	1002	454
96	607	185	1.0	569	258	3.0	1100	499
144	509	155	1.0	727	330	2.7	1282	581
192-216	509	155	1.0	730	331	2.7	1314	596
288	509	155	1.0	963	437	2.6	1608	730

NESC Medium Load - Wind speed 65 KMH or 40 MPH, Ice thickness 6.5 mm

Fiber Count	Span		Installation Sag & Tension			Maximum Loaded Sag & Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag %	lbs	kgf
12-72	509	155	1.0	374	170	3.4	930	422
96	509	155	1.0	477	216	3.2	1057	479
144	410	125	1.0	586	266	2.8	1156	525
192-216	410	125	1.0	589	267	2.8	1178	534
288	410	125	1.0	777	352	2.6	1419	644

NESC Heavy Load - Wind speed 65 KMH or 40 MPH, Ice thickness 12.5 mm

Fiber Count	Span	Span	Installation Sag & Tension			Maximum Loaded Sag & Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag % (H/V)	lbs	kgf
12-72	300	91	1.0	220	100	3.7	884	401
96	300	91	1.0	280	127	3.6	979	444
144	300	91	1.0	427	194	3.3	1206	547
192-216	300	91	1.0	429	195	3.3	1229	557
288	300	91	1.0	565	256	3.2	1435	651

Packing and Shipping Information

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	59.1	22.2	57.1	27.6	22.2	17.5	4.33
96	63.0	22.2	61.0	27.6	22.2	17.5	4.33
144	69.9	29.5	66.9	31.5	29.5	23.6	4.33
192-216	71.7	29.5	68.9	31.5	29.5	23.6	4.33
288	68.5	41.3	65.0	31.5	41.3	35.4	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	13123	4	776 (352)	430 (195)	1206 (547)	14	183,722 FT	30	393,690 FT
96	13123	4	988 (448)	476 (216)	1464 (664)	13	170,599 FT	29	380,567 FT
144	13123	4	1499 (680)	767 (348)	2266 (1028)	9	118,107 FT	19	249,337 FT
192-216	13123	4	1508 (684)	802 (364)	2310 (1048)	9	118,107 FT	19	249,337 FT
288	13123	4	1984 (900)	919 (417)	2903 (1317)	6	78,738 FT	13	170,599 FT

