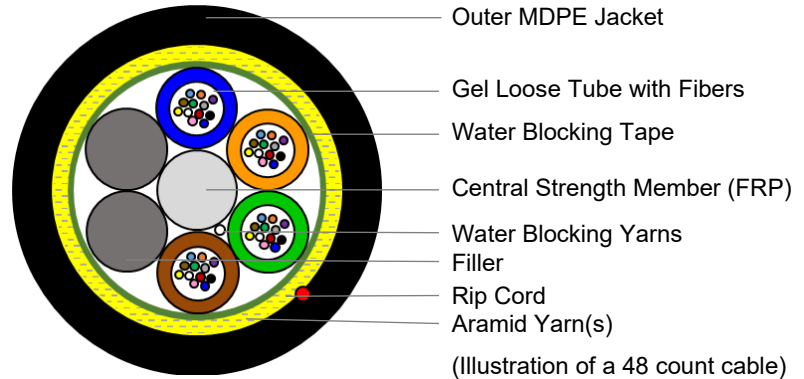


LA-ADSS-028 SJ All Dielectric Self Supporting Fiber Optic Cable Series

Gel-Filled, Dry Core, Single Jacket, Flexible Loose Buffer Tubes, Light Weight

Product Features

- Ideal for aerial installations with maximum span of 400FT under NESC-H or 600 - 660FT under NESC-M or 650 - 800FT under NESC-L
- Optical fiber counts up to 288
- Available with GR-20 certified single-mode optical fibers
- Designed and engineered in the US



Product Description

Lexington Ames' ADSS-028 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, gel-filled 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)	0.591 (15.0)	0.614 (15.6)	0.693 (17.6)
Weight - lb/kft (kg/km)	60 (89)	76 (113)	115 (171)	116 (172)	152 (226)
Fibers per Tube	12	12	12	12	12
Tube Positions	1-6	8	12	18 (6+12)	24 (9+15)
Recommended Initial Sag	Span 400FT (122M), Sag 1.5%				
MRCL - lb (N)	1529 (6800)	1709 (7600)	2113 (9400)	2113 (9400)	2585 (11500)
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-028-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)

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LA-ADSS-028 All Dielectric Self Supporting Fiber Optic Cable Series

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

Sag-Tension Data - 1.5% Installation Sag

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

Fiber Count	Span		Installation Sag and Tension			Maximum Loaded Sag and Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag %	lbs	kgf
12-72	794	242	1.5	396	179	3.7	1011	459
96	728	222	1.5	461	209	3.5	1075	488
144	679	207	1.5	652	296	3.3	1303	591
192-216	679	207	1.5	655	297	3.3	1318	598
288	646	197	1.5	821	372	3.2	1503	682

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

Fiber Count	Span		Installation Sag and Tension			Maximum Loaded Sag and Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag %	lbs	kgf
12-72	663	202	1.5	330	150	3.8	1008	457
96	630	192	1.5	399	181	3.7	1075	488
144	614	187	1.5	589	267	3.4	1300	590
192-216	614	187	1.5	592	268	3.4	1305	592
288	597	182	1.5	758	344	3.3	1434	678

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

Fiber Count	Span		Installation Sag and Tension			Maximum Loaded Sag and Tension		
	FT	M	Initial Sag %	lbs	kgf	Sag %	lbs	kgf
12-72	400	122	1.5	199	90	4.1	1004	455
96	400	122	1.5	253	115	4.0	1089	494
144	400	122	1.5	385	174	3.8	1295	587
192-216	400	122	1.5	386	175	3.8	1299	589
288	400	122	1.5	508	231	3.7	1478	670

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	62.3	22.2	61.0	27.6	22.2	17.5	4.33
144	69.7	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	785 (356)	423 (195)	1215 (551)	14	183,126FT	30	392,413FT
96	13123	4	996 (452)	476 (216)	1473 (668)	13	170,046FT	29	379,333FT
144	13123	4	1508 (684)	767 (348)	2275 (1032)	9	117,724FT	19	248,528FT
192-216	13123	4	1517 (688)	802 (364)	2319 (1052)	9	117,724FT	19	248,528FT
288	13123	4	1993 (904)	919 (417)	2912 (1321)	6	78,483FT	13	170,046FT

