

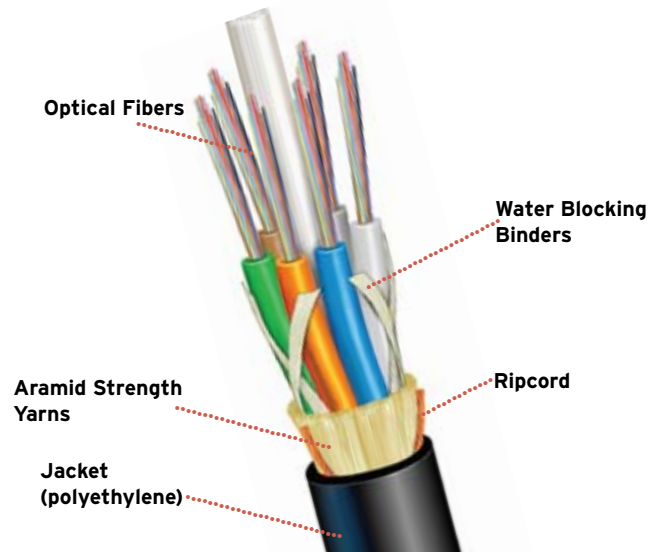
# ezSPAN™ ADSS | Long Span

## All-Dielectric Self-Support Loose Tube Cable



### Product Snapshot

<b>Applications</b>	Self-Supporting Aerial Deployment for Communications & Transmission Space
<b>Constructions</b>	All-Dielectric Round - Typical Span Lengths up to 2,500' (760m) / Single & Dual Jacket
<b>Fiber Count</b>	2 to 288 fibers in Color-coded Buffer Tubes
<b>Fiber Types</b>	Singlemode (ESMF, BendBright®, NZDSF-LA, TeraLight®) / Multimode / Hybrid
<b>Options</b>	Track Resistant Jacket
<b>Performance</b>	IEEE 1222, ANSI/ICEA, IEC, RUS, Telcordia GR-20



ADSS Long Span Single Jacket

### All-Dielectric Self-Support (ADSS) fiber cable for up to 2,500' (760m) spans common in transmission.

Draka's ezSPAN™ ADSS | Long Span version provides reliable self-support performance for up to 2,500 feet (760 meters). Each ezSPAN™ ADSS cable is custom engineered for optimum placement on utility towers and to operate under full weather load, ensuring safe reliable lifetime performance. For installation on high-voltage lines up to 275 kV, an optional track-resistant jacket prevents dry-band arcing damage. Available up to 288 fibers, cables greater than 144 fibers utilize a 24 fiber per tube design to reduce environmental load. (24 fibers per tube design also available for fiber counts of 96-144)

### Features & Benefits

#### Proven Long Span Installation & Use

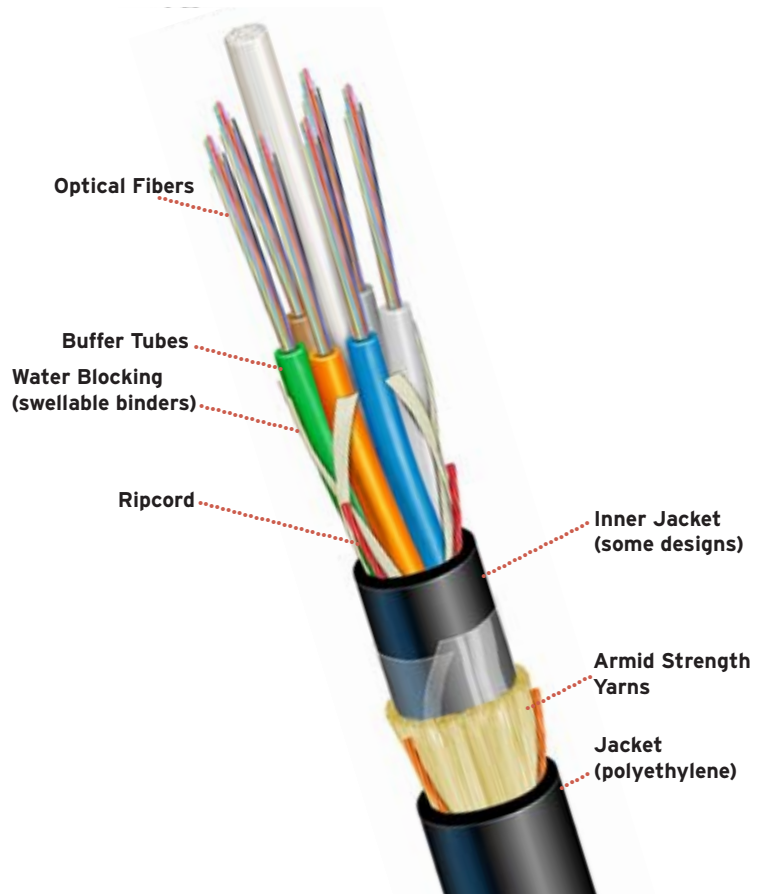
- [+] Tailored designs span distances up to 2,500' (760 m) without interrupting power
- [+] Higher count designs utilize 24 fiber per tube to reduce environmental load
- [+] Matching pole attachment hardware (dead-ends, suspension clamps)

#### Reliable Lifetime Performance

- [+] Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & long-term performance
- [+] Custom engineered for operation under full load
- [+] Optional track-resistant jacket prevents dry-band arcing damage for line voltages ≤ 275 kV (≤20kV space potential)
- [+] Guaranteed standards-based performance

#### Easy Cable Entry & Preparation

- [+] Ripcord speeds cable entry & outer jacket removal
- [+] Swellable binders speed cable preparation
- [+] Available BendBright® bend-tolerant singlemode fiber



ADSS Long Span Dual Jacket

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800.879.9862



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### Dual Jacket

### (ADLD)

Fiber Count	Span ft (m)	NESC Heavy, 1% Sag		NESC Medium, 1% Sag		NESC Light, 1% Sag	
		Diameter in (mm)	Weight lb/kft (kg/km)	Diameter in (mm)	Weight lb/kft (kg/km)	Diameter in (mm)	Weight lb/kft (kg/km)
2 to 72	200 (61)	0.53 (13.4)	97 (144)	0.52 (13.3)	95 (142)	0.52 (13.3)	95 (142)
	400 (122)	0.55 (13.9)	103 (153)	0.53 (13.5)	98 (146)	0.53 (13.4)	97 (144)
	600 (183)	0.57 (14.4)	109 (162)	0.55 (13.9)	103 (153)	0.54 (13.6)	99 (148)
	800 (244)	0.60 (15.3)	122 (182)	0.56 (14.2)	106 (158)	0.55 (13.9)	103 (153)
	1000 (305)	0.64 (16.2)	135 (201)	0.57 (14.5)	111 (165)	0.56 (14.1)	106 (157)
	1200 (366)	0.67 (17.0)	147 (218)	0.60 (15.3)	122 (182)	0.57 (14.4)	110 (163)
	1600 (488)			0.65 (16.5)	140 (208)	0.62 (15.7)	127 (189)
	2000 (610)			0.69 (17.6)	157 (234)	0.65 (16.6)	141 (210)
74 to 144	200 (61)	0.57 (14.6)	114 (169)	0.57 (14.6)	114 (169)	0.57 (14.6)	114 (169)
	400 (122)	0.59 (15.1)	120 (179)	0.58 (14.8)	116 (172)	0.58 (14.6)	114 (170)
	600 (183)	0.61 (15.5)	127 (188)	0.59 (15.1)	120 (179)	0.59 (14.9)	117 (175)
	800 (244)	0.65 (16.5)	141 (210)	0.60 (15.4)	124 (184)	0.60 (15.1)	121 (180)
	1000 (305)	0.68 (17.3)	154 (229)	0.62 (15.8)	130 (193)	0.60 (15.4)	124 (184)
	1200 (366)	0.71 (17.9)	164 (244)	0.65 (16.5)	141 (210)	0.62 (15.7)	129 (192)
	1600 (488)	0.77 (19.6)	192 (286)	0.70 (17.8)	161 (240)	0.67 (16.9)	147 (219)
	2000 (610)			0.74 (18.8)	179 (267)	0.71 (17.9)	164 (244)
146 to 216	200 (61)	0.70 (17.8)	157 (234)	0.70 (17.8)	156 (233)	0.70 (17.8)	156 (233)
	400 (122)	0.72 (18.3)	165 (245)	0.71 (18.0)	160 (238)	0.70 (17.9)	159 (236)
	600 (183)	0.75 (19.0)	178 (265)	0.72 (18.3)	166 (247)	0.72 (18.2)	163 (243)
	800 (244)	0.77 (19.6)	189 (281)	0.73 (18.6)	171 (254)	0.73 (18.4)	168 (250)
	1000 (305)	0.80 (20.4)	202 (301)	0.76 (19.3)	182 (272)	0.74 (18.7)	172 (255)
	1200 (366)	0.83 (21.0)	215 (319)	0.78 (19.9)	193 (288)	0.76 (19.4)	184 (274)
	1600 (488)			0.83 (21.0)	215 (319)	0.80 (20.4)	202 (301)
	2000 (610)			0.87 (22.0)	235 (349)	0.84 (21.3)	220 (327)
218 to 288	200 (61)	0.83 (21.1)	207 (308)	0.83 (21.0)	205 (305)	0.83 (21.0)	205 (305)
	400 (122)	0.85 (21.5)	216 (321)	0.84 (21.3)	211 (313)	0.83 (21.2)	209 (311)
	600 (183)	0.87 (22.2)	229 (340)	0.85 (21.6)	218 (324)	0.84 (21.5)	215 (319)
	800 (244)	0.90 (22.9)	244 (363)	0.87 (22.2)	229 (340)	0.86 (21.7)	220 (327)
	1000 (305)	0.93 (23.5)	257 (382)	0.89 (22.6)	238 (354)	0.88 (22.3)	232 (345)
	1200 (366)	0.95 (24.2)	272 (404)	0.91 (23.2)	249 (371)	0.90 (22.8)	242 (360)
	1600 (488)			0.96 (24.3)	274 (408)	0.94 (23.8)	264 (393)
	2000 (610)					0.97 (24.7)	284 (422)

Contact your Draka representative for information about designs with alternative span requirements or cable diameters. Cable diameters and weights may vary depending on specific span design requirements.

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The Draka policy of continuous improvement may result in changes to specifications without prior notice.

Issue Date: 12.09.2008 - V2 / DS063

# ezSPAN™ ADSS | Long Span

## All-Dielectric Self-Support Loose Tube Cable



### Single Jacket

### (ADLS)

Fiber Count	Span ft (m)	NESC Heavy, 1% Sag		NESC Medium, 1% Sag		NESC Light, 1% Sag	
		Diameter in (mm)	Weight lb/kft (kg/km)	Diameter in (mm)	Weight lb/kft (kg/km)	Diameter in (mm)	Weight lb/kft (kg/km)
2 to 72	200 (61)	0.44 (11.3)	70 (103)	0.44 (11.3)	70 (103)	0.44 (11.3)	70 (103)
	300 (91)	0.45 (11.5)	72 (108)	0.44 (11.3)	70 (103)	0.44 (11.3)	70 (103)
	400 (122)	0.47 (11.8)	75 (112)	0.45 (11.4)	71 (106)	0.44 (11.3)	70 (103)
	500 (152)			0.46 (11.6)	73 (109)	0.45 (11.4)	71 (105)
	600 (183)			0.46 (11.7)	75 (111)	0.45 (11.5)	72 (107)
	700 (213)			0.47 (12.0)	77 (115)	0.46 (11.6)	73 (109)
	800 (244)					0.46 (11.7)	75 (111)
	900 (274)					0.47 (11.9)	76 (113)
	1000 (305)					0.47 (12.0)	77 (115)

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### Mechanical Specifications

#### Minimum Bend Radius

- [+] with load 20x cable diameter
- [+] no load 10x cable diameter

#### Temperature Range

- [+] Shipping and Storage -40° F to +167° F (-40° C to +75° C)
- [+] Installation -22° F to +140° F (-30° C to +60° C)
- [+] Operation -40° F to +158° F (-40° C to +70° C)

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## All-Dielectric Self-Support Loose Tube Cable



### Ordering Check List

For Ordering or More Information Contact Us at [sales@drakaamericas.com](mailto:sales@drakaamericas.com) or 800.879.9862.

**1 Installation Location:** City  State   
**2 Cable length: (ft or m)**   
**3 # of Jackets:** Single Jacket  Dual Jacket   
**4 Number of Fibers:**   
**5 Fiber Type & Grade:**   
**6 Max. Span Length: (ft or m)**   
**7 Installation Sag:** 1.5%  Other (Please Specify)   
**8 NESC Loading Condition:** Light  Medium  Heavy  Other (Define Ice & Wind load)   
**9 Line Voltage:** Phase to Phase (kV)  Phase to Ground (kV)

5 FIBER TYPE	FIBER GRADE	WAVELENGTHS (nm)	ATTENUATION (dB/km)	BANDWIDTH (MHz·km)	1 GbE DISTANCE (m at 850/1300nm)	10 GbE DISTANCE (m at 850nm)
<b>SINGLEMODE</b>						
ES ESMF	E1	1310 / 1383 / 1550	0.40 / 0.40 / 0.30			
	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25			
BB BendBright®	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25			
LA NZDSF-LA	N1	1550	0.25			
TU TeraLight®	N1	1550	0.25			
<b>MULTIMODE</b>						
5S Legacy, 50 µm	M1	850 / 1300	3.5 / 1.5	500 / 500	550 / 550	82
6S Legacy, 62.5 µm	M2	850 / 1300	3.5 / 1.0	200 / 500	300 / 550	33
5H HiCap, 50 µm	M1	850 / 1300	3.5 / 1.5	600 / 1200	750 / 2000	110
6H HiCap, 62.5 µm	M2	850 / 1300	3.5 / 1.0	200 / 600	500 / 1000	65
53 MaxCap®, 50 µm, 300m	M1	850 / 1300	3.5 / 1.5	1500 / 500	1000 / 550	300
55 MaxCap®, 50 µm, 550m	M1	850 / 1300	3.5 / 1.5	3500 / 500	1100 / 550	550

Other cable constructions and fiber performance grades available on request.

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