

ezSPAN™ ADSS | Short Span

All-Dielectric Self-Support Loose Tube Cable



Product Snapshot

Applications	Self-Supporting Aerial Deployment for Communications & Transmission Space
Constructions	All-Dielectric Round – Typical Span Lengths up to 1,000' (305m), Single & Dual Jacket
Fiber Count	2 to 144 fibers in Color-coded Buffer Tubes
Fiber Types	Singlemode (ESMF, BendBright®, NZDSF-LA, TeraLight®) / Multimode / Hybrid
Options	Single or Dual Jackets / Matching Pole Attachment Hardware
Performance	IEEE 1222, ANSI/ICEA, IEC, RUS, Telcordia GR-20

All-Dielectric Self-Support (ADSS) ezENTRY fiber cable for up to 1000' (300m) spans typical in distribution.

Draka's ezSPAN™ ADSS | Short Span version provides reliable self-support performance for up to 1000 feet (305 meters). Each ezSPAN™ ADSS cable is custom engineered for each application based on its full weather load, ensuring safe reliable lifetime performance. Flexible buffer tubes enable ease of mid-entry, preparation and routing to splice and storage hardware. These cables uniquely combine flexible buffer tubes, swellable water-blocking, and exclusive ColorLock® fiber coating to make ezSPAN™ the easiest ADSS cables to install, access and prep.

Features & Benefits

Easy Cable Entry & Preparation

- [+] Flexible buffer tubes and single jacket option enhance mid-entry
- [+] Ripcord speeds cable entry & outer jacket removal
- [+] Swellable binders speed cable preparation

Flexible Routing & Termination

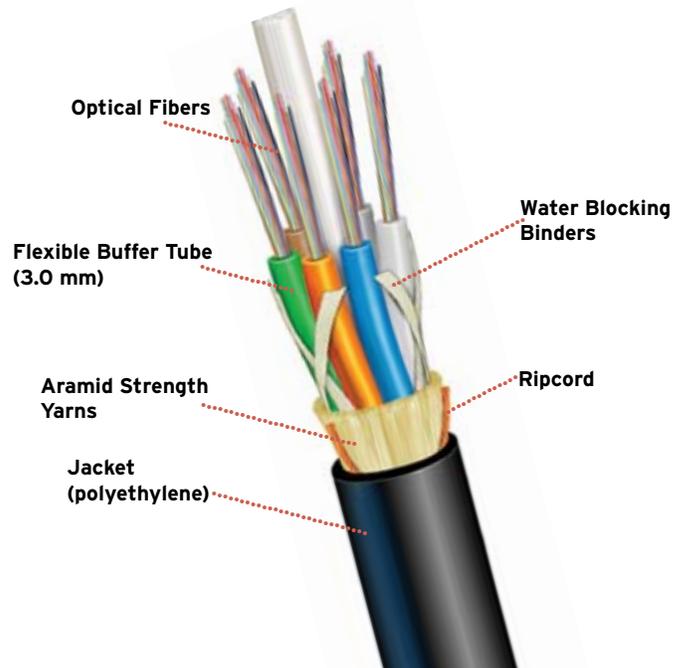
- [+] Flexible buffer tubes simplify routing, storage & prep
- [+] Available BendBright® bend-tolerant singlemode fiber

Versatile Installation & Use

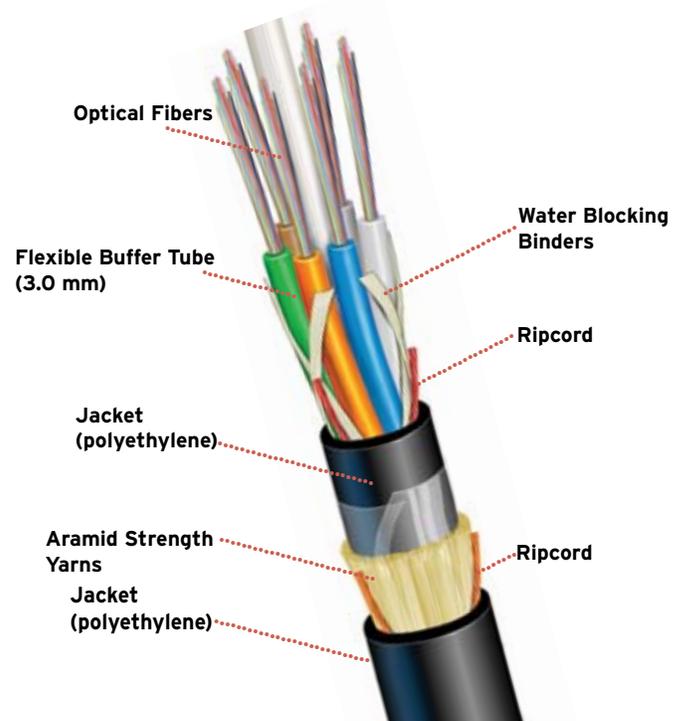
- [+] Tailored designs span distances up to 1000' (305 m) without interrupting power
- [+] Easy mid-entry ideal for FTtx distribution applications
- [+] Matching pole attachment hardware (dead-ends, suspension clamps)

Reliable Lifetime Performance

- [+] Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & long-term performance
- [+] Custom engineered for operation under full load
- [+] Guaranteed standards-based performance



ADSS Short Span Single Jacket



ADSS Short Span Dual Jacket

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Single Jacket

(ADES)

Fiber Count	Span ft (m)	NESC Light, 1% Sag		NESC Medium, 1% Sag		NESC Heavy, 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)	0.48 (12.3)	74 (110)	0.48 (12.3)	74 (110)	0.48 (12.3)	74 (110)
	300 (91)	0.48 (12.3)	74 (110)	0.48 (12.3)	74 (110)	0.49 (12.4)	75 (112)
	400 (122)	0.48 (12.3)	74 (110)	0.49 (12.3)	74 (110)	0.50 (12.7)	78 (116)
	500 (152)	0.48 (12.3)	74 (110)	0.49 (12.5)	76 (113)	0.51 (13.0)	81 (121)
	600 (183)	0.49 (12.4)	75 (111)	0.50 (12.6)	78 (115)		
	700 (213)	0.49 (12.5)	76 (114)	0.50 (12.8)	80 (119)		
	800 (244)	0.50 (12.6)	78 (115)	0.51 (13.0)	81 (121)		
	900 (274)	0.50 (12.8)	79 (118)				
	1000 (305)	0.51 (12.9)	80 (120)				
	74 to 96	200 (61)	0.57 (14.4)	94 (140)	0.57 (14.4)	94 (140)	0.57 (14.4)
300 (91)		0.57 (14.4)	94 (140)	0.57 (14.4)	94 (140)	0.58 (14.6)	97 (144)
400 (122)		0.57 (14.4)	94 (140)	0.57 (14.6)	96 (142)	0.59 (14.9)	100 (149)
500 (152)		0.57 (14.5)	95 (142)	0.58 (14.7)	97 (145)		
600 (183)		0.58 (14.6)	97 (144)	0.58 (14.8)	99 (148)		
700 (213)		0.58 (14.8)	98 (146)	0.59 (15.0)	102 (151)		
800 (244)		0.59 (14.9)	100 (149)				
900 (274)		0.59 (15.0)	102 (151)				
98 to 144		200 (61)	0.74 (18.7)	141 (210)	0.74 (18.7)	141 (210)	0.74 (18.7)
	300 (91)	0.74 (18.7)	141 (210)	0.74 (18.7)	142 (212)	0.74 (18.9)	145 (216)
	400 (122)	0.74 (18.8)	143 (213)	0.74 (18.8)	144 (215)		
	500 (152)	0.74 (18.9)	145 (216)	0.75 (19.0)	147 (219)		
	600 (183)	0.75 (19.0)	147 (219)				

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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Dual Jacket

(ADED)

Fiber Count	Span ft (m)	NESC Light, 1% Sag		NESC Medium, 1% Sag		NESC Heavy, 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)	0.55 (13.8)	95 (141)	0.55 (13.8)	95 (141)	0.55 (13.8)	95 (141)
	300 (91)	0.55 (13.8)	95 (141)	0.55 (13.8)	95 (141)	0.55 (14.0)	98 (145)
	400 (122)	0.55 (13.8)	95 (141)	0.55 (14.0)	97 (144)	0.56 (14.3)	101 (150)
	500 (152)	0.55 (13.9)	96 (143)	0.56 (14.1)	98 (146)	0.57 (14.5)	104 (155)
	600 (183)	0.55 (14.0)	98 (145)	0.56 (14.2)	100 (149)		
	700 (213)	0.56 (14.2)	99 (148)	0.57 (14.4)	102 (153)		
	800 (244)	0.56 (14.3)	101 (150)				
	900 (274)	0.57 (14.4)	102 (152)				
74 to 96	200 (61)	0.63 (16.0)	119 (177)	0.63 (16.0)	119 (177)	0.63 (16.0)	119 (177)
	300 (91)	0.63 (16.0)	119 (177)	0.63 (16.0)	119 (177)	0.64 (16.2)	122 (182)
	400 (122)	0.63 (16.0)	119 (177)	0.64 (16.2)	121 (180)	0.65 (16.4)	125 (187)
	500 (152)	0.64 (16.2)	121 (180)	0.64 (16.3)	123 (184)	0.66 (16.7)	129 (192)
	600 (183)	0.64 (16.3)	123 (183)	0.65 (16.4)	125 (187)		
	700 (213)	0.65 (16.4)	125 (186)	0.65 (16.6)	128 (191)		
	800 (244)	0.65 (16.5)	126 (188)				
	900 (274)	0.66 (16.7)	129 (192)				
98 to 144	200 (61)	0.80 (20.2)	173 (257)	0.80 (20.2)	173 (257)	0.80 (20.3)	174 (259)
	300 (91)	0.80 (20.3)	174 (259)	0.80 (20.3)	175 (260)	0.81 (20.5)	178 (265)
	400 (122)	0.80 (20.4)	176 (262)	0.81 (20.5)	177 (263)	0.82 (20.7)	182 (271)
	500 (152)	0.81 (20.5)	178 (265)	0.81 (20.6)	180 (268)	0.82 (20.9)	186 (277)
	600 (183)	0.81 (20.6)	180 (268)	0.82 (20.8)	183 (272)		
	700 (213)	0.82 (20.8)	183 (272)	0.82 (20.9)	186 (277)		
	800 (244)	0.82 (20.9)	186 (277)				

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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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Ordering Check List

For Ordering or More Information Contact Us at sales@drakacomteq.us 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)
SINGLEMODE						
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			
MULTIMODE						
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.