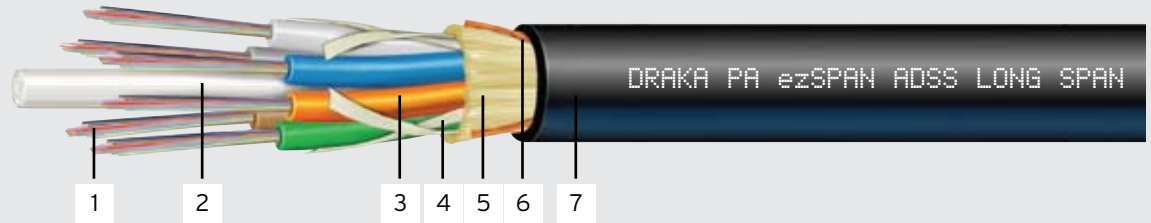




Draka

ezSPAN ADSS™ | Long Span

all-dielectric self-support single jacket loose tube cable



Application

Draka's ezSPAN™ ADSS | Long Span cables provide reliable self-support performance for up to 1000 feet (305 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. Matching pole attachment hardware (dead-ends, suspension clamps) is available.

For installation on high-voltage lines up to 275 kV, an optional track-resistant jacket prevents dry-band arcing damage. Available up to 72 fibers.

Features

1. FIBER

Multimode or singlemode fibers with an acrylate coating for mechanical protection colored per TIA/EIA 598. Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & long-term performance.

2. CENTRAL STRENGTH MEMBER

Dielectric material (epoxy/fiberglass rod).

3. BUFFER TUBES

Polymeric insulation filled with a moisture-resistant material to prevent water penetration. Fillers (when needed) are dielectric material.

4. DRY BLOCK TAPE

Swellable tape wrapped around the cable core to prevent water penetration.

5. STRENGTH MEMBER

Aramid yarn.

6. RIPCORD

Woven fiber.

7. JACKET

Black polyethylene (PE). An optional track-resistant jacket prevents dry-band arcing damage for line voltages up to 275 kV.

Ratings

IEEE 1222

ANSI/ICEA

IEC

RUS

Telcordia GR-20



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Fiber Count ft (m)	Span	NESC Heavy, 1% Sag		NESC Medium, 1% Sag		NESC Light, 1% Sag	
		Diameter in (mm)	Weight lb/ft (kg/km)	Diameter in (mm)	Weight lb/ft (kg/km)	Diameter in (mm)	Weight lb/ft (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)

Cable diameters and weights may vary depending on specific span design requirements.

Information is subject to change without notice. Contact your Draka representative for information about designs with alternative span requirements or cable diameters.

Fiber Performance 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	n/a	n/a	n/a
	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25	n/a	n/a	n/a
BB BendBright®	E3	1310 / 1383 / 1550	0.35 / 0.35 / 0.25	n/a	n/a	n/a
LA NZDSF-LA	N1	1550	0.25	n/a	n/a	n/a
TU TeraLight®	N1	1550	0.25	n/a	n/a	n/a
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
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

Mechanical Specifications	
Minimum Bend Radius	Temperature Range
with load 20x cable diameter	Shipping and Storage -40°F to +167°F (-40°C to +75°C)
no load 10x cable diameter	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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 761 Joseph E. Warner Blvd. | Taunton, MA 02780 | Tel +1-508-822-5444
 One Tamaqua Blvd. | Schuylkill Haven, PA 17972 | Tel +1-570-385-4381

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