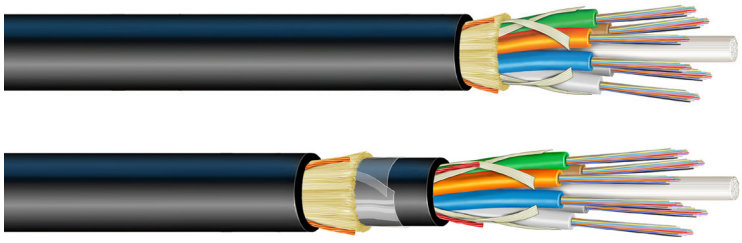
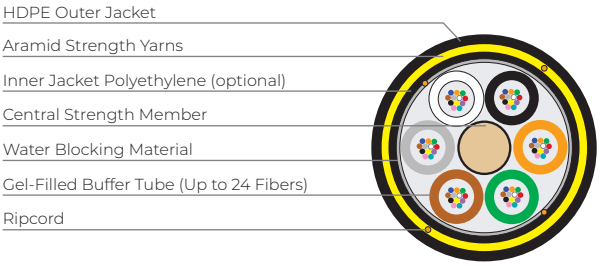
Long Span ADSS

All-Dielectric Self Supporting Loose Tube Cable





OVERVIEW

Prysmian's Long Span ADSS version provides reliable self-support performance for up to 2,600 feet (800 meters). Each Long Span ADSS cable is engineered for optimum placement on utility poles or towers and to operate under full weather load, ensuring safe and 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 72 fibers utilize a 24 fiber per tube design to reduce environmental load (12 fibers per tube design is also available for fiber counts of 84-144). For cable ordering details, please see the **Application Check List** on page 2.

SPECIFICATIONS / RATINGS

Applications	Self-supporting aerial deployment for communications & power transmission space
Constructions	All-dielectric round - typical span lengths up to 2,600' (800m), single and dual jacket, and track resistant
Fiber Count	12 to 288 fibers in color coded buffer tubes
Fiber Types	Single-mode / bend-insensitive / NZDSF / multimode / hybrid
Options	Track resistant jacket, SafeStrain or ZeroStrain designs
Standards	IEEE 1222-2011, ANSI / ICEA 640, RUS 7 CFR 1755 (RUS LISTED), Telecordia GR-20 IEC 60794-4-20
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001
Other Versions	ezSpan ADSS

RUS LISTED

FEATURES AND BENEFITS

Proven Long Span Installation & Use

- Tailored designs span distances up to 2,600' (800m) without interrupting power
- Higher count designs utilize 24 fiber per tube to reduce diameter and environmental loading

Easy Cable Entry & Preparation

- Ripcord speeds cable entry & outer jacket removal
- Swellable binders speed cable preparation
- Available bend-insensitive single-mode fiber
- 2.6 mm tube with 12 fibers per tube; 3.0 mm tube with 24 fibers per tube (with two 12 fiber binder groups)

Reliable Lifetime Performance

- Custom engineered for operation under full load
- Available with zero fiber strain at the maximum rated cable load (MRCL) or with a SafeStrain design limiting fiber strain to 0.20%.
- Guaranteed standards-based performance

MADE RIGHT HERE

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TLS-DS-A-502-0526

PLP ATTACHMENT HARDWARE CONSIDERATIONS

- Dead-ends indicated are Limited & Medium Tension dead-ends. The Limited Tension dead-end is designed for a maximum long-term tension of 1000 lbs and short-term tension of 2500 lbs. The Medium Tension dead-end is designed for 2000 lbs for long-term tensions and 4000 lbs for short-term loads. Semi-high or High Tension dead-ends should be used for higher tension ratings.
- Limited Tension dead ends are limited to a maximum span length of 600 feet.
- C1E1 designates thimble clevis and extension link (recommended).
- Aluminum Suspension is designed for in-line support with a maximum angle change of 20° and a maximum span of 600 feet.
- Spans of > 600 to 1200 feet require reinforcing rods (SSR).
- The “S” designates anchor shackle and eye-nut (recommended).
- Vibration dampers may be required.
- Aluminum support is designed for in-line support with a maximum angle change of 20° and a maximum span of 600 feet.

INSTALLATION 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)

Maximum Stringing Tension:

600 lbs

APPLICATION CHECK LIST

1	Installation Location:	City _____ State _____
2	Cable Length Marking:	☐ Feet ☐ Meters
3	# of Jackets:	☐ Single Jacket ☐ Dual Jacket
4	Number of Fibers:	_____
5	Fiber Type & Attenuation:	_____ Standard is G.657.A1 Bend Insensitive SMF with 0.35/0.35/0.25 dB/km attenuation at 1310/1383/1550 nm
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:	☐ None ☐ Distribution Line Transmission Line _____ Phase to Phase (kV) _____ Phase to Ground _____
10	Fiber Strain:	☐ Safe Strain ☐ Zero Strain

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