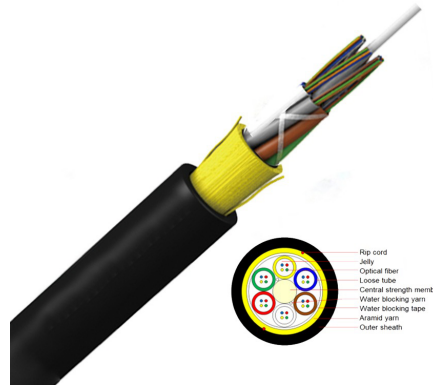


ADSS Cable Single Sheath



The Fiber Optic Type ADSS (All-Dielectric Self-Supporting) Cable with a Single Sheath is engineered to excel in demanding applications, with a primary design focus on impressive spans of 100 to 200 meters (notably, specific models extend this to spans of up to 600 meters). This cable stands as a testament to its robust and dependable nature, delivering a dependable solution for high-speed data transmission. Its innovative structure has been meticulously crafted to provide optimal performance and exceptional durability, ensuring that it meets the highest standards of reliability in the field.

Highlights:

- Resistant to Environmental Factors: Withstand wind, ice, and temperature changes, expanding and contracting as needed.
- Low Installation Cost: Cost-effective due to their self-supporting design, ideal for challenging terrains.
- Lightweight and Compact: Easy to handle thanks to their dielectric design.
- Low Maintenance: Require minimal maintenance with their non-metallic construction.
- Long-Haul Application: Long-haul telecommunications networks and remote or water-crossing locations.

Structure Design:

- Fiber 12-144F ITU-T G652D (A1 & A2 Glass options are available)
- Loose tube containing fibers and filled with a suitable water tightness filling compound
- Loose tubes SZ stranded around CSM
- Water blocking tape
- Aramid Yarn

Specifications:

Fiber Count		12	24	36	48	96	144
Fiber Count Per Tube		6	6	6	12	12	12
Loose Tube	Material	PBT					
	Water Blocking Material	Fiber Jelly					
	Counts	2	4	6	4	8	12
Central Strength Member	Material	FRP Rod (Coated with PE if needed)					
	Size (mm)	2.2	2.2	2.2	2.5	2.5	2.5
Overall Diameter (nom.)(mm)(±0.2)		10.3	10.4	10.4	11	12.3	14.9
Outer Jacket	Material	HDPE, Black					
	Nominal Thickness (mm)	1.6	1.6	1.6	1.6	1.6	1.6
Cable Weight	Kg/Km	73	76	76	86	109	162
Temperature Range	Storage	-30°C~+70°C					
	Operation	-30°C~+70°C					
	Installation	-10°C~+60°C					

Optical Characteristics:

Attenuation Coefficient	@1310nm	≤ 0.35 dB/Km
	@1550nm	≤ 0.21 dB/Km

*Full compliance with the ITU-T G.652D Standard

Mechanical Performance:

Minimum bending radius Static 10D and 20D Dynamic (D is the cable diameter in mm)

Color Code:

The individual fibers and loose tubes comply with the TIA/EIA-598-A Standard.