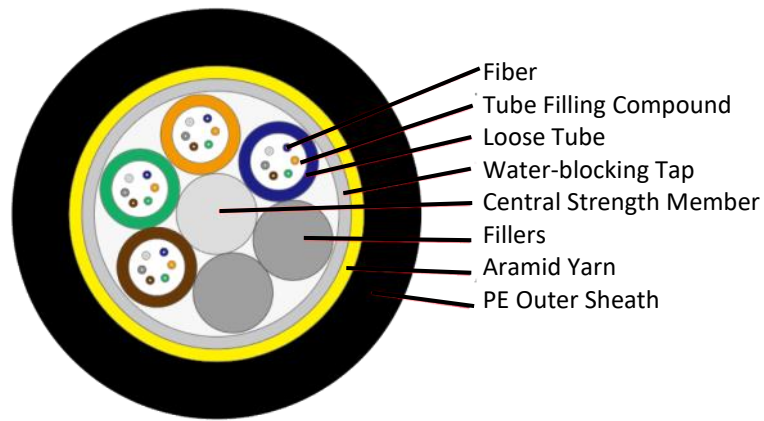


ADSS (SINGLE SHEATH)

All Dielectric Self Supporting Aerial Cable



DESCRIPTION

ADSS cable is loose tube stranded. The fibers, 125µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tubes and fillers are stranded around a FRP as a non-metallic strength member into a compact and circular cable core, and the cable core is wrapped with a layer of Kevlar. Between the Kevlar yarn and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Finally, the cable is completed with a polyethylene (PE) or AT outer sheath.

FEATURES

- The metal free nature of the cable allows installation on a live power system with ensure safety for the installation crew.
- Application of AT sheath materials assures excellent resistance against electrical erosion, even in high field strength environment.
- light weight and small diameter reducing the load caused by ice and wind and the load on towers and back props.
- Excellent mechanical and temperature performance
- Good performance of tensile strength and temperature

SPECIFICATIONS

Item	G.652	G.655	50/125um	62.5/125um
Attenuation	@850nm		≤3.0dB/km	≤3.2dB/km
	@1300nm		≤1.0dB/km	≤1.2dB/km
	@1310nm	≤0.36dB/km	≤0.40dB/km	
	@1550nm	≤0.22dB/km	≤0.23dB/km	
Bandwidth (Class A)	@850nm		≥500MHZ.km	≥200MHZ.km
	@1300nm		≥1000MHZ.km	≥600MHZ.km
Numerical aperture			0.200±0.015NA	0.275±0.015NA
Cable cut-off wavelength	≤1260nm	≤1450nm		

MECHANICAL AND PHYSICAL PROPERTIES

Cable Diameter		10.5	12.5
Cable Weight (kg/km)	PE Sheath	105	121
	AT Sheath	110	129
Daily Max Working tension (KN)		1.5	2.0
Max Allowable Working Tension (KN)		4	5.5
Break Strength (KN)		10	15
Crush Resistance Strength (N/100mm)	Short Term	1000	1000
	Long Term	2000	2000
Suitable Span (m)		100	150

Note : Specifications are subject to change without notice

ADSS (SINGLE SHEATH)

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Operating Temperature (°C)	-40~+70
Storage Temperature (°C)	-40~+70

ORDERING INFORMATION

Example : ODADSS-12D

