

DESCRIPTION

ADSS cable is loose tube stranded. The fibers, $125\mu m$, 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. Final 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 meterials 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
	@850nm			≤3.0dB/km	≤3.2dB/km
	@1300nm			≤1.0dB/km	≤1.2dB/km
Attenuation	@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		≤1260mm	≤1450mm		

MECHANICAL AND PHYSICAL PROPERTIES

Cable Diamet	er	10.5	12.5
Cable Maiabe (ka/km)	PE Sheath	105	121
Cable Weight (kg/km)	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	Short Term	1000	1000
(N/100mm)	Long Term	2000	2000
Suitable Span (m)		100	150

Note: Specifications are subject to change without notice

ADSS (SINGLE SHEATH)

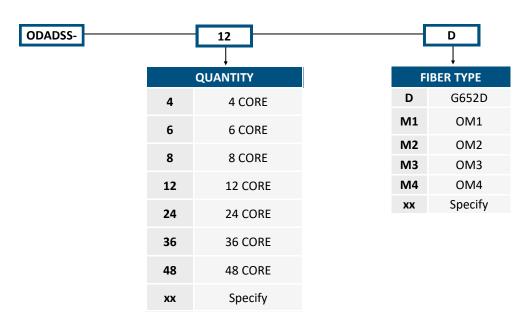
All Dielectric Self Supporting Aerial Cable





ORDERING INFORMATION

Example: ODADSS-12D



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