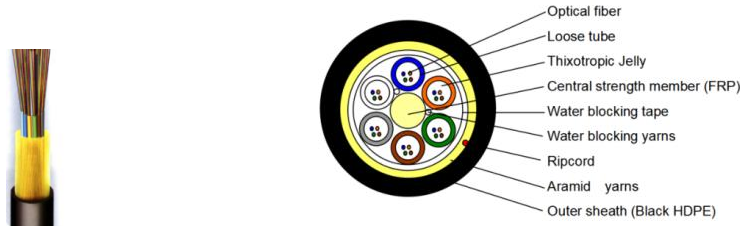


All Dielectric Self Supported Aerial Cable ADSS

Structure:



Description:

ADSS cable is loose tube stranded, fibers, 250 μm , are positioned into a loose tube made of high modulus plastics, The tubes are filled with a water-resistant filling compound, The tubes(and fillers) are stranded around a FRP(Fiber Reinforced Plastic) as a non-metallic central strength member into a compact and circular cable core, After the cable core is filled with filling compound, After stranded layer of aramid yarns are applied over the cable core as strength member, The cable is completed with PE or AT(anti-tracking) outer sheath.

Characteristics:

- Can be installed without shutting off the power
- Excellent AT performance . The maximum inductive at the operating point of AT sheath can reach 25KV
- Light weight and small diameter reducing the load caused by ice and wind and the load on towers and backprops
- Large span lengths and the largest span is over 1000m
- Good performance of tensile strength and temperature
- The design life span is over 30 years
- Application:self-supporting

Standards:

ADSS Cable complies with standard IEEE 1222-2004 as well as IEC60794-1

Optical Characteristics						
		G.652.D	G.657A1	G.657A2	50/125 μm	62.5/125 μm
Attenuation	@850 μm				$\leq 3.0\text{dB/Km}$	$\leq 3.0\text{dB/Km}$
	@1300 μm				$\leq 1.0\text{dB/Km}$	$\leq 1.0\text{dB/Km}$
	@1310 μm	$\leq 0.34\text{dB/Km}$	$\leq 0.35\text{dB/Km}$	$\leq 0.35\text{dB/Km}$		
	@1383 μm	$\leq 0.34\text{dB/Km}$	$\leq 0.35\text{dB/Km}$	$\leq 0.35\text{dB/Km}$		
	@1550 μm	$\leq 0.20\text{dB/Km}$	$\leq 0.21\text{dB/Km}$	$\leq 0.21\text{dB/Km}$		
Bandwidth (Class A)	@850 μm				$\geq 500\text{MHz}\cdot\text{Km}$	$\geq 200\text{MHz}\cdot\text{Km}$
	@1300 μm				$\geq 1000\text{MHz}\cdot\text{Km}$	$\geq 600\text{MHz}\cdot\text{Km}$
Cable cut-off wavelength λ_{cc}		$\leq 1260\text{nm}$	$\leq 1260\text{nm}$	$\leq 1260\text{nm}$		

Technical Parameters						
Fiber Count	Span(m)	Cable Diameter(mm)	Cable Weight(Kg/Km)	Tensile Strength(MAT)(N)	Crush Resistance Long/Short term(N/100mm)	Bending Radius Static/Dynamic(mm)
6	100	8.9	59	1300	600/1000	10D/20D
12	100	8.9	59	1300	600/1000	10D/20D
24	100	8.9	59	1300	600/1000	10D/20D
48	100	9.7	67	1500	600/1000	10D/20D
72	100	9.7	63	1600	600/1000	10D/20D
96	100	11.6	98	2100	600/1000	10D/20D
144	100	14.4	151	3000	600/1000	10D/20D

Storage/Operating Temperature: -40°C to +70°C

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