

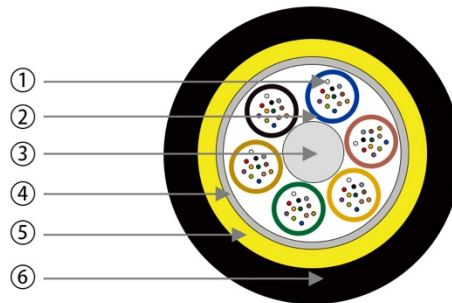
ADSS Fiber Optic Cable

Description

ADSS fiber optic cable is also known as all-dielectric self-supporting fiber optic cable. With light weight itself and aramid yarn protection, it is strong enough to support itself between poles or tower without using conductive metal elements. It's an alternative to OPGW with lower installation costs. This cable is consisting of fiber core, aramid yarn as enforcement and outside sheath. Double sheath or AT sheath is required when comes with long span or near electronic lines.

Structure

- ① Optical fiber
- ② Loose tube
- ③ FRP strength member
- ④ Water blocking Tape
- ⑤ Aramid yarn
- ⑥ Outer sheath



Similar Structure



Double sheath



Water blocking cable filling compound

Characteristics

ADSS fiber optic cable is metal free
Aramid yarn provides tension resistant and self-supporting features
Single or double sheath supports high insulation and protection for ADSS fibers
Small diameter and light weight, which is easy to construct and economical

Application

Aerial and self-supporting for backbone network
Distribution for FTTH network

Optical Characteristics

Optical Characteristics		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20°C)	@850nm			≤ 3.0 dB/km	≤ 3.3 dB/km
	@1300nm			≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310nm	≤ 0.36 dB/km	≤ 0.40 dB/km		
	@1550nm	≤ 0.22 dB/km	≤ 0.23 dB/km		
Bandwidth	@850nm			≥ 500 MHz·km	≥ 200 MHz·km
	@1300nm			≥ 500 MHz·km	≥ 500 MHz·km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1450 nm		

Technical Characteristics

Fiber Count	Loose Tubes + Fillers	Fibers per Tube	CSM Diameter (mm)	Outer Jacket Thickness (mm)	Cable Diameter (mm)	Weight (kg/km)
4	1+6	4	2.3	1.7 \pm 0.1	10.5 \pm 0.5	82
6	1+6	6	2.3	1.7 \pm 0.1	10.5 \pm 0.5	82
8	1+6	4	2.3	1.7 \pm 0.1	10.5 \pm 0.5	82
12	1+6	6	2.3	1.7 \pm 0.1	10.5 \pm 0.5	82
24	1+6	6	2.3	1.7 \pm 0.1	10.5 \pm 0.5	83
36	1+6	6	2.3	1.7 \pm 0.1	10.5 \pm 0.5	84
48	1+6	12	2.6	1.7 \pm 0.1	11.5 \pm 0.5	94
72	1+6	12	2.6	1.7 \pm 0.1	11.5 \pm 0.5	95
96	1+8	12	3	1.7 \pm 0.1	12.5 \pm 0.5	122

Environmental Characteristics

Transport temperature: -40°C ~ +70°C
Storage temperature: -40°C ~ +70°C

Delivery Length

Standard 2km (2,000 meter) length
Other lengths are also availab

Ordering Information

Model No.	Description	Remark
ADSS	<input type="checkbox"/> Fiber count <input type="checkbox"/> Fiber type <input type="checkbox"/> Cable span <input type="checkbox"/> Sheath color	Contact our sales or technical dept for more information: Sales: sales@honecable.com Technical: tony@honecable.com