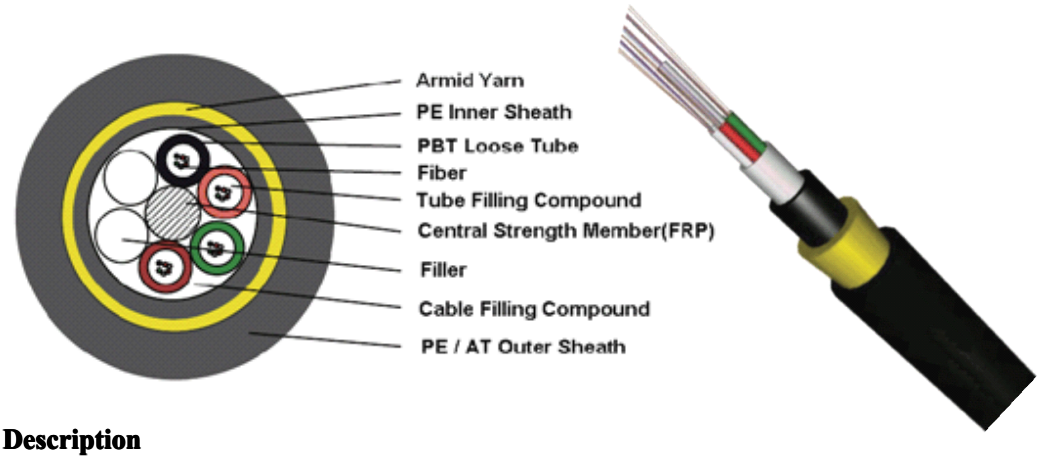
ADSS Fiber Optic Cable



Description

Fiber optic cable ADSS, Non-metallic construction, 2~48 fibers, are positioned into a loose tube, tube filled with water-resistant filling compound, then tubes (and fillers) are stranded around a central strength member (FRP), then filled with the filling compound to protect it from water ingress. Then, the cable is completed with a PE or AT(anti-tracking) outer sheath.

Features

◇ Non-metal structure, good insulation, anti-thunder, can be installed with power lines & multi-thunder area;
◇ Dedicated design satisfy different spans requirements, the largest span more than 1000mts;
◇ Light weight and small diameter reducing the load caused by ice and wind and the load on the tower and backstops;
◇ Excellent performance of tensile strength and can be work in bad climate environment , long life up to 30 years;
◇ Operating Temperature : -40~+60 ℃

Characteristics

Fibers Count: ~24, 26~36		Cable net Weight (Kg/km)		Fibers Count: 38~48		Cable net Weight (Kg/km)	
Max. Working Tension (KN)	Cable OD (mm)	PE	AT	Max. Working Tension (KN)	Cable OD (mm)	PE	AT
2.5	12.0±0.2	115	123	3.0	12.6±0.2	123	132
3.5	12.2±0.2	118	127	4.0	12.8±0.2	126	135
4.5	12.3±0.2	120	130	5.0	13.0±0.2	128	137
6.0	12.5±0.2	123	132	6.0	13.1±0.2	131	140
7.0	12.7±0.2	126	135	7.0	13.2±0.2	134	143
8.0	12.8±0.2	128	137	8.0	13.3±0.2	136	145
9.0	12.9±0.2	131	140	9.0	13.5±0.2	138	148
10.0	13.0±0.2	134	143	10.0	13.6±0.2	142	151
11.0	13.1±0.2	136	145	11.0	13.7±0.2	144	154

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Fibers Count: ~24, 26~36		Cable net Weight (Kg/km)		Fibers Count: 38~48		Cable net Weight (Kg/km)	
Max. Working Tension (KN)	Cable OD (mm)	PE	AT	Max. Working Tension (KN)	Cable OD (mm)	PE	AT
12	13.2±0.2	138	148	12	13.8±0.2	146	156
14	13.5±0.2	142	151	14	14.0±0.2	149	159
16	13.7±0.2	144	154	16	14.2±0.2	154	164
18	14.0±0.2	146	156	18	14.5±0.2	156	167
20	14.2±0.2	149	159	20	14.7±0.2	158	169

Application:

The actual status of overhead power lines is taken into full consideration when ADSS cable is being designed. For overhead power lines under 110kV, PE outer sheath is applied. For power lines equal to or over 110kV, AT outer sheath is applied. The dedicate design of aramid quantity and stranding process can satisfy the demand on various spans.

Standards:

SHG ADSS cable complies with Standard IEEE P1222 as well as IEC 60794-1.

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