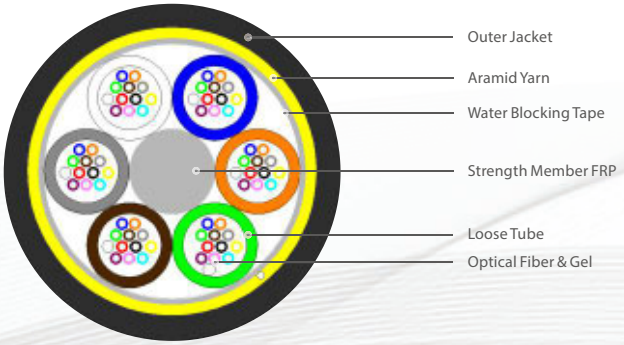
OUTDOOR CABLE

ADSS



Description

ADSS cable is a non-metallic optical cable that is composed of all dielectric materials and contains the necessary supporting system. It can be directly suspended on power poles and towers. It is mainly used for communication routes of overhead high-voltage power transmission systems and can also be used for lightning Communication lines in high-prone areas, large spans and other overhead laying environments.

Applications

- Long-distance communication, inter-office communication and fiber optic cable entry.
- Suitable for power system, heavy thunder and lightning and severe electromagnetic interference occasions.

Features

- Extra-long fiber can ensure good mechanical stress performance.
- The material is a loose tube with good temperature characteristics and high Young's modulus. The tube is filled with fiber moisture-proof gel to ensure the long-term transmission stability of the two long-wavelength windows.
- The central strength member is made of high-lift modulus steel wire.
- The loose pipes are filled with moisture-proof and water-blocking compounds.
- The laminated plates on both sides of the longitudinal corrugated steel belt are combined with the polyethylene sheath, which can not only ensure the radial moisture resistance, but also enhance the compression resistance.
- HDPE jacket has anti-ultraviolet radiation performance.

Cable Parameters

Fiber Count	Cable Diameter mm	Cable Weight Kg/km	Tensile Long/ Short Term (N)	Crush Long/Short Term N/100m	Bending Radius Static/Dynamic mm	Temperature
2-30	9.1	60	600/1500	300/1000	10D/20D	-40~+70
32-60	9.6	70	600/1500	300/1000	10D/20D	-40~+70
62-72	10.3	82	600/1500	300/1000	10D/20D	-40~+70
74-96	11.6	99	600/1500	300/1000	10D/20D	-40~+70
98-120	12.6	122	600/1500	300/1000	10D/20D	-40~+70
122-144	13.8	148	600/1500	300/1000	10D/20D	-40~+70

Optical Characteristic

Fiber Type		Attenuation (dB/km)		Full Bandwidth (MHZ.km)	Effective Bandwidth (MHZ.km)	1Gbps Reach (m)	10Gbps Reach (m)	Min Bend Radius (mm)
Multi Mode		850/1300nm		850/1300nm	850nm	850/1300nm	850/1300nm	/
		Typical	Max					
62.5/125	OM1	3.0/1.0	3.5/1.5	200/500	220	275/550	33/300	30
50/125	OM2	3.0/1.0	3.5/1.5	500/500	510	550/550	82/300	30
50/125-150	OM2+	3.0/1.0	3.5/1.5	700/500	850	750/550	150/300	30
50/125-300	OM3	3.0/1.0	3.5/1.5	1500/500	2000	1000/550	300/300	30
50/125-550	OM4	3.0/0.7	3.0/1.0	3500/500	4700	1000/550	550/550	30
Single Mode		1310/1550nm		/	/	1310/1550nm	1310/1550nm	/
		Typical	Max					
9/125μm	G652D	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	30
9/125μm	G657A1	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	10
9/125μm	G657A2	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	7.5