

ADSS All-Dielectric Self-Supporting Aerial Double Sheath Fiber Optic Cable



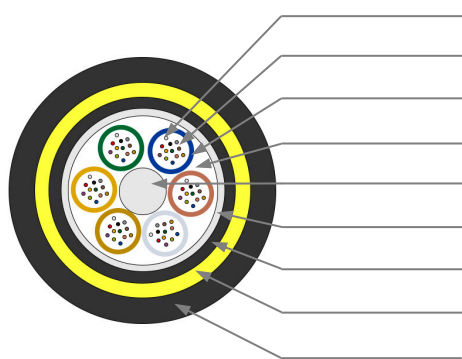
Description

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 mental elements.

Features

- Can be set up with uninterruptible power supply
- All dielectric metal free cable materials
- Light weight and small cable diameter
- Excellent tensile properties and temperature characteristics
- Large span, maximum more than 1000M
- Using AT sheath with superior tracking resistance
- PE sheath has good ultraviolet radiation resistance

Cable Structure



- 1 Optical Fiber
- 2 Tube Filling Compound
- 3 Loose Tube
- 4 Cable Filling Compound
- 5 FRP Central Strength Member
- 6 Water-blocking Materials
- 7 PE Inner Sheath
- 8 Aramid Yarn
- 9 PE/AT Outer Sheath

Technical Characteristics

Ref. Outer Diameter (mm)	Ref. Weight (Kg/km)		Recommended Daily Max. Work Tension (kN)	Max. Allowable Working Tension (kN)	Breaking Strength (kN)	Tensile Element Cross-sectional (mm ²)	Modulus of Elasticity (kN/mm ²)	Thermal Expansion Coefficient ×10 ⁻⁶ /K	Suitable Span (NESC Standard, m)			
	PE	AT							A	B	C	D
11.8	117	124	1.50	4	10	4.60	7.6	1.8	160	100	140	100.00
12.0	121	129	2.25	6	15	7.60	8.3	1.5	230	150	200	150.00
12.3	126	134	3.00	8	20	10.35	9.45	1.3	300	200	290	200.00
12.6	133	141	3.60	10	24	13.80	10.8	1.2	370	250	350	250.00
12.8	138	145	4.50	12	30	14.30	11.8	1	420	280	400	280.00
13.1	145	153	5.40	15	36	18.40	13.6	0.9	480	320	460	320.00
13.5	155	163	6.75	18	45	22.00	16.4	0.6	570	380	550	380.00
13.8	163	171	7.95	22	53	26.40	18	0.3	670	460	650	460.00
14.4	177	186	9.00	26	60	32.20	19.1	0.1	750	530	750	510.00
14.6	182	191	10.50	28	70	33.00	19.6	0.1	800	560	800	560.00
14.8	195	204	12.75	34	85	40.00	20.1	0.1	880	650	880	650.00

Applications: Self-supporting, Aerial