

All-Dielectric Self-Supporting Aerial Standard ADSS Fiber Optic Cable



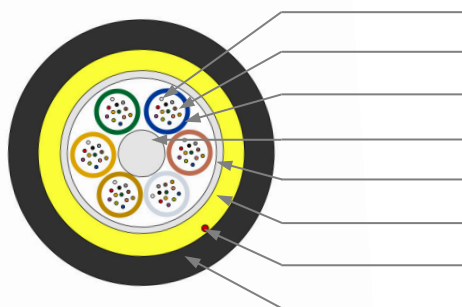
Description

Thins ADSS aerial fiber optic cable has great performance of tension resistance and self-supporting. In addition to its non-conductivity, the adss fiber optic cable can be installed with newly erected communication lines or existing power line system.

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 FRP Central Strength Member
- 5 Water-blocking Materials
- 6 Aramid Yarn
- 7 Rip Cord
- 8 PE/AT 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