

WANLONG CABLE

PROFESSIONAL CABLE MANUFACTURER

ADSS

Hangzhou Lin'an Wanlong Cable Co., Ltd

317 Jintian Road, Lin'an, Hangzhou, China 311300

Mob:+86-13968032911 Tel:+86-571-61078177

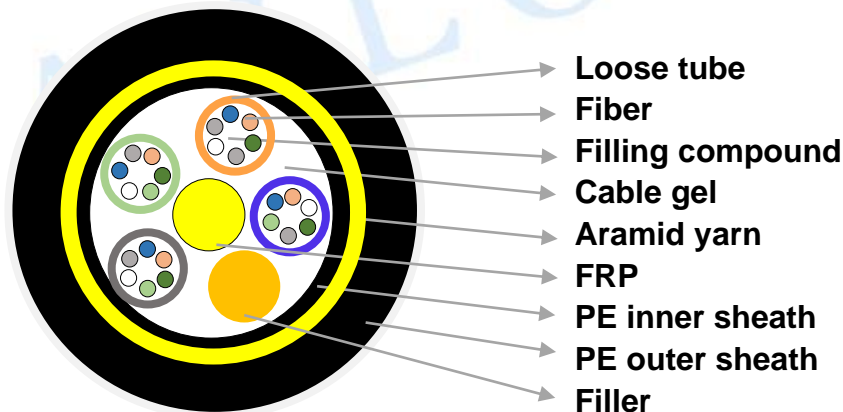
Fax:+86-571-61078123

Website: www.wanlongcable.cn

E-mail: wanlongcable@hotmail.com wanlongcable2@outlook.com

PRODUCT DESCRIPTION:

WL OFC ADSS cable is loose tube stranded. Fibers are positioned into a loose tube made of high modulus plastics. The tubes are filled with a water-resistant filling compound. The tubes (and fillers) are stranded around FRP (Fiber Reinforced Plastic) as a non-metallic central strength member into a compact and circular cable core. After the cable core is filled with filling compound it is covered with a thin polyethylene (PE) inner sheath. After two layers of Aramid yarns are applied in two directions over the inner sheath as strength member the cable is completed with PE or AT (anti-tracking) outer sheath.



CHARACTERISTICS:

- Can be installed without shutting off the power.
- Excellent AT performance. The maximum inductive at the operating point of AT sheath can reach 25kV.
- Light weight and small diameter reducing the load caused by ice, and wind and the load on towers and backprop.
- Large span lengths and the largest span is over 1000m.
- Accurate fiber excess length and stranding pitch to ensure the good performance of tensile strength and temperature.
- The design life span is over 30 years.

Climate types	A	B	C	D	Storage/Operating/ Transport Temperature	-40°C~+60°C
Wind speed(m/s)	25	35	10	10		
Ice(mm)	0	0	5	10		
Extra load(N/m)	0.7	0.7	2.5	4.4		

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Ref. outer diameter(mm)		12.5	13	13.3	13.6	13.8	14.5	14.9
Ref. weight(kg/km)	PE sheath	125	132	137	145	147	164	171
	AT sheath	136	142	148	156	159	177	185
Rec. daily max. working tension (kN)		1.5	2.25	3.0	3.6	4.5	5.4	6.75
Max. allowable working tension (kN)		4	6	8	10	12	15	18
Break strength(kN)		10	15	20	24	30	36	45
Strength member CAS(mm ²)		4.6	7.6	10.35	13.8	14.3	18.4	22.0
Modulus of elasticity(kN/mm ²)		7.6	8.3	9.45	10.8	11.8	13.6	16.4
Heat expansion coefficient (×10 ⁻⁶ /K)		1.8	1.5	1.3	1.2	1.0	0.9	0.6
Suitable span (NESC standard m) A/B/C/D		160/100/ 140/100	230/150/ 200/150	300/200/ 290/200	370/250/ 350/250	420/280/ 400/280	480/320/ 460/320	570/380/ 550/380