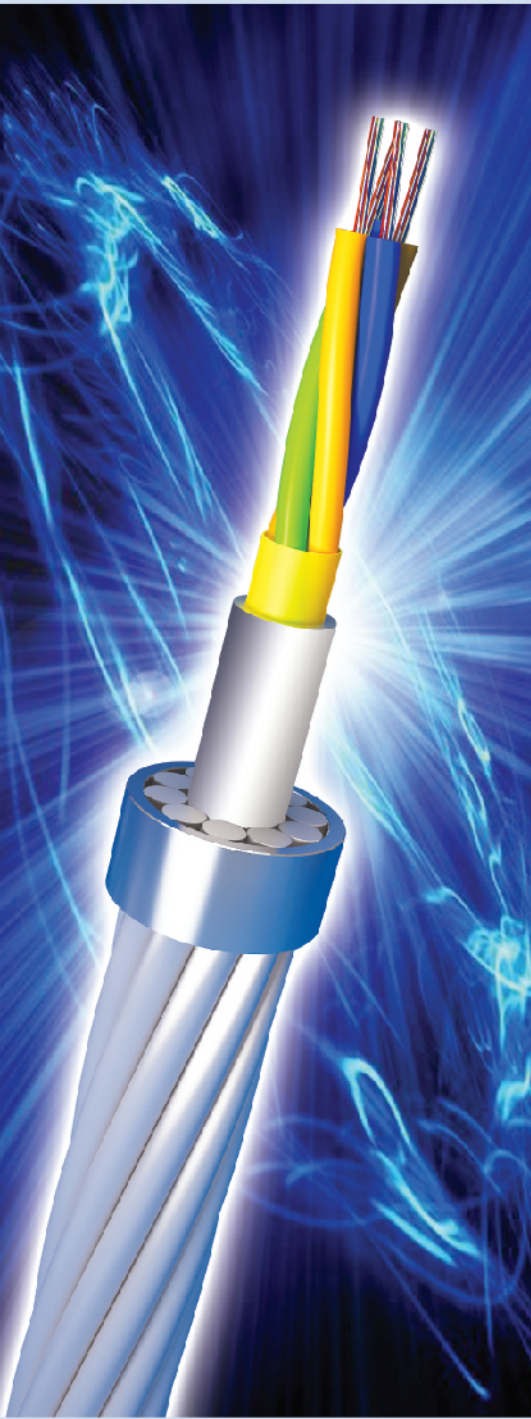
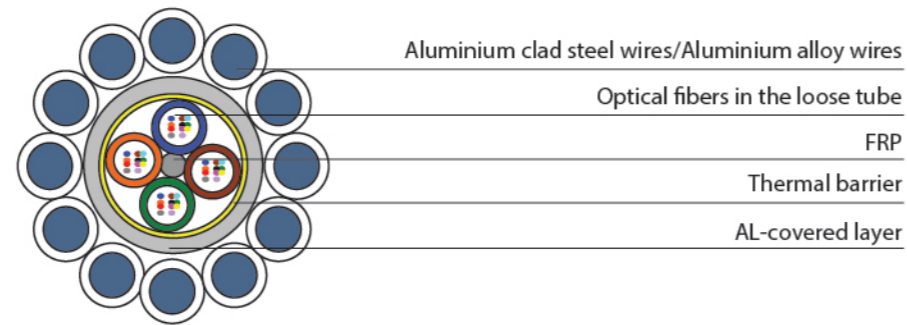


Typical Designs of Aluminum Tube OPGW



Aluminium tube OPGW Single/Double Armour Layers

The Aluminium tube is surrounded by single or double layers of aluminium clad steel wires(ACS) or mix ACS wires and aluminium alloy wires.



Characteristic and Application

- Good anti-corrosion performance.
- Material and structure are uniform, good resistance to vibration fatigue.
- Short circuit current has small effect on the optical fiber transmission properties.
- Good anti-lightning performance.

Typical Parameters:

Single Layer

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA ² s)
OPGW-81[73.9;43.6]	24	12.5	488	73.9	43.6
OPGW-86[76.8;49.5]	24	12.8	510	76.8	49.5
OPGW-103[93.8;68.9]	24	13.8	611	93.8	68.9
OPGW-85[76.8;46.8]	32	12.8	509	76.8	46.8
OPGW-85[50.5;54.5]	32	12.8	445	50.5	54.5
OPGW-112[106.7;80.0]	36	14.7	688	106.7	80.0
OPGW-112[86.0;90.3]	48	14.7	627	86.0	90.3
OPGW-112[62.7;104.5]	48	14.7	498	62.7	104.5
OPGW-122[65.6;123.9]	48	15.2	534	65.6	123.9
OPGW-132[121.0;108.7]	60	16.0	810	121.0	108.7
OPGW-132[63.9;148.0]	60	16.0	545	63.9	148.0
OPGW-135 [99.8;132.2]	72	16.3	751	99.8	132.2
OPGW-146 [109.0;154.9]	96	17.1	813	109.0	154.9

Double Layers

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA ² s)
OPGW-174[101.0;247.7]	24	17.7	744	101.0	247.7
OPGW-244[141.2;479.7]	24	20.7	1030	141.2	479.7
OPGW-249[147.0;501.4]	48	21.1	1065	147.0	501.4
OPGW-207[121.8;348.1]	48	19.4	892	121.8	348.1
OPGW-233[135.8;441.9]	60	20.6	999	135.8	441.9
OPGW-289 [166.4;675.0]	72	22.9	1246	166.4	675.0
OPGW-314 [158.7;826.4]	96	24.0	1277	158.7	826.4

* The above designs are ZTT's typical options, and ZTT can provide any specific cable according to your requirement.