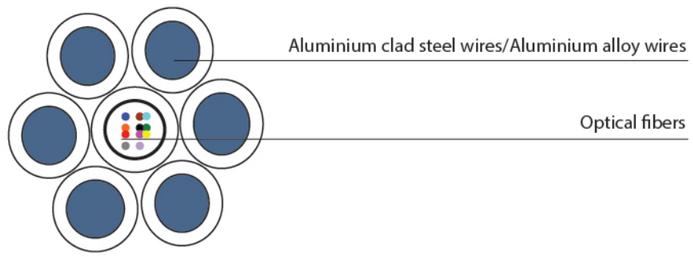
Typical Designs of Central Stainless Steel Tube OPGW

Central Tube OPGW
Single/Double Armour layers

The central stainless steel 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

- Small cable diameter and short-circuit current capacity, light weight.
- The stainless steel tube can form a suitable primary fiber excess length.
- The OPGW has slightly worse tensile, torsion and crush resistance performance.
- Apply to the transformation of old lines.

Typical Parameters:

Single Layer

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA^2s)
OPGW-32[40.6;4.7]	12	7.8	243	40.6	4.7
OPGW-42[54.0;8.4]	24	9.0	313	54.0	8.4
OPGW-42[43.5;10.6]	24	9.0	284	43.5	10.6
OPGW-54[67.8;13.9]	36	10.2	394	67.8	13.9
OPGW-54[55.9;17.5]	36	10.2	356	55.9	17.5
OPGW-61[73.7;17.5]	48	10.8	438	73.7	17.5
OPGW-61[55.1;24.5]	48	10.8	358	55.1	24.5
OPGW-68[80.8;21.7]	54	11.4	485	80.8	21.7
OPGW-75[63.0;36.3]	60	12.0	459	63.0	36.3
OPGW-76[54.5;41.7]	60	12.0	385	54.5	41.7
OPGW-79[51.2;49.5]	72	12.3	403	51.2	49.5

Double Layers

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA^2s)
OPGW-96[121.7;42.2]	12	13.0	671	121.7	42.2
OPGW-127[141.0;87.9]	24	15.0	825	141.0	87.9
OPGW-127[77.8;128.0]	24	15.0	547	77.8	128.0
OPGW-145[121.0;132.2]	28	16.0	857	121.0	132.2
OPGW-163[138.2;183.6]	36	17.0	910	138.2	183.6
OPGW-163[99.9;213.7]	36	17.0	694	99.9	213.7
OPGW-183[109.7;268.7]	48	18.0	775	109.7	268.7
OPGW-183[118.4;261.6]	48	18.0	895	118.4	261.6

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