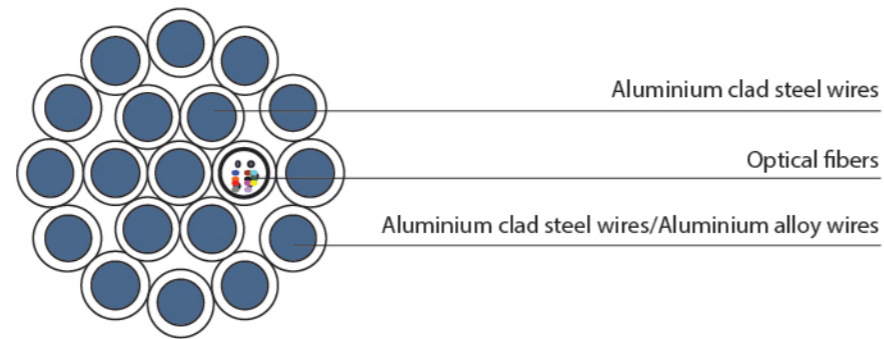


Typical Designs of Stranded Stainless Steel Tube OPGW



OPGW With Stranded Layers, Single Tube And Multitube Are Available Double /Three Armour Layers

The stainless steel tube is stranded by double or three layers of aluminium clad steel wires(ACS) or mix ACS wires and aluminium alloy wires.



Characteristic and Application

- larger cable diameter and much more fiber count.
- larger tensile strength and fault current capacity to reach a better balance of electrical and mechanical performance.
- The amount of Stainless Steel Tube could be 1, 2 or 3 (max. at present).
- Optimum stranding design to reach a suitable secondary fiber excess length.
- The stranded layers could be double layers or three layers, the stranded wires could be AS wires with/or AA and Al wires.

Typical Parameters:

Double Layers

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA ² s)
OPGW-89[55.4;62.9]	24	12.6	381	55.4	62.9
OPGW-91[53.6;66.4]	24	12.7	377	53.6	66.4
OPGW-110[90.0;86.9]	24	14.0	600	90.0	86.9
OPGW-104[64.6;85.6]	28	13.6	441	64.6	85.6
OPGW-127[79.0;129.5]	36	15.0	537	79.0	129.5
OPGW-137[85.0;148.5]	36	15.6	575	85.0	148.5
OPGW-145[98.6;162.3]	48	16.0	719	98.6	162.3
OPGW-164[100.2;214.8]	48	17.1	687	100.2	214.8
OPGW-120[70.0;117.6]	72	15.0	509	70.0	117.6
OPGW-137[79.7;152.2]	96	16.0	574	79.7	152.2
OPGW-174[98.6;246.5]	128	18.2	724	98.6	246.5

Three Layers

ZTT Standard	Fiber Count(Max)	Diameter (mm)	Weight (kg/km)	RTS (kN)	Short Circuit (kA ² s)
OPGW-232[343.0;191.4]	28	20.15	1696	343.0	191.4
OPGW-254[116.5;554.6]	36	21.0	889	116.5	554.6
OPGW-347[366.9;687.7]	48	24.7	2157	366.9	687.7
OPGW-282[358.7;372.1]	96	22.5	1938	358.7	372.1

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