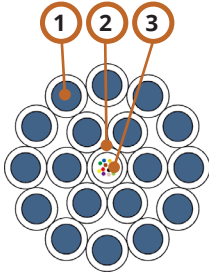
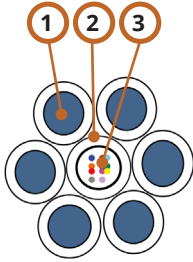
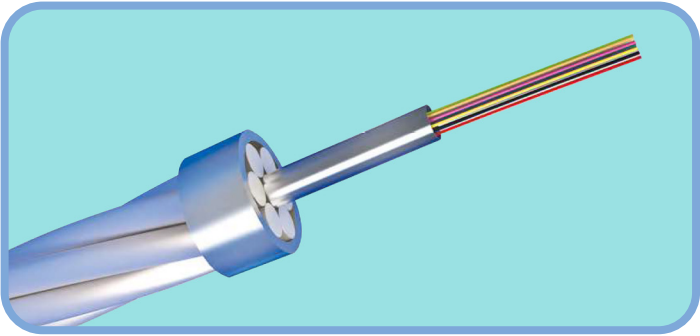


Optical Fiber Composite Overhead Ground Wire (OPGW)



Technical Characteristics

- 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.

Construction:

1. Aluminium clad steel wires / Aluminium alloy wires
2. Aluminium covered stainless steel loose tube
3. Optical fibers and jelly

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

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

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

STANDARD:
REFERENCE TO TNB AND SEB SPECIFICATION OR
SPECIFIC CLIENT REQUIREMENT