

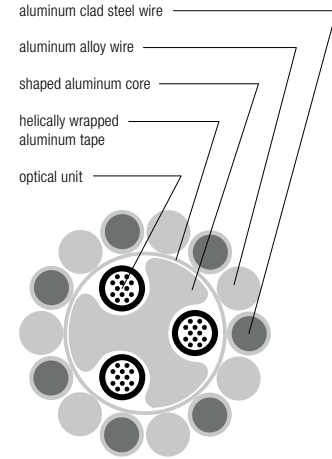
## Slotted Core OPGW

A highly reliable product at an exceptional value, Slotted Core Optical Ground Wire is a versatile design suitable for applications ranging from low fiber count, small diameter requirements to high fault current, long span installations.

### Features

- Fiber counts up to 144
- Loose tube optical unit provides strain-free environment for fibers
- Slotted aluminum core houses optical units and provides excellent crush resistance and low resistivity
- Stranded wires selected to optimize mechanical and electrical properties of cable

### Cable Components



### Temperature Range

Operating - 40°C to + 85°C

Storage - 50°C to + 85°C

Installation - 30°C to + 85°C

### Typical Designs

FIBERS	OPGW SIZE	FAULT CURRENT (kA) <sup>2</sup> sec	TOTAL CONDUCTOR AREA		OVERALL DIAMETER		WEIGHT		RBS		SAG10 CHART NUMBER	MAX SHIP LENGTH*	
			in <sup>2</sup>	mm <sup>2</sup>	in	mm	lbs/ft	kg/m	lbs	kg		Wood (m)	Steel (m)
36	SC-43/44/502	64	0.1347	86.91	0.504	12.8	0.289	0.430	12910	5856	1-536	6000	7000
48	SC-38/62/537	80	0.1561	100.71	0.535	13.6	0.366	0.544	17436	7909	1-1461	6000	7000
48	SC-38/69/553	89	0.1661	107.17	0.551	14	0.394	0.587	19178	8699	1-1450	6000	7000
72	SC-37/64/558	78	0.1555	100.33	0.559	14.2	0.376	0.559	17767	8059	1-1450	6000	7000
48	SC-38/88/596	118	0.1955	126.12	0.594	15.1	0.480	0.714	24332	11037	1-1453	6000	6960
96	SC-47/72/613	111	0.1838	118.6	0.614	15.6	0.439	0.653	20060	9099	1-1461	6000	7000
144	SC-65/62/643	136	0.1960	126.42	0.642	16.3	0.433	0.644	18115	8217	1-536	4938	7000
144	SC-66/66/655	149	0.2058	132.75	0.654	16.6	0.457	0.680	19504	8847	1-536	4938	7000
144	SC-54/79/655	141	0.2058	132.75	0.654	16.6	0.491	0.730	22149	10047	1-1461	4938	6798
96	SC-69/80/676	183	0.2314	149.32	0.677	17.2	0.517	0.770	23761	10778	1-1444	6000	6447
96	SC-47/102/676	168	0.2314	149.32	0.677	17.2	0.576	0.857	28426	12894	1-1453	6000	5798
144	SC-76/88/714	220	0.2533	163.4	0.713	18.1	0.570	0.848	25833	11718	1-1444	4938	5858
144	SC-54/110/714	202	0.2533	163.4	0.713	18.1	0.628	0.935	30487	13829	1-1457	4938	5316
72	SC-124/64/735	317	0.2911	187.8	0.736	18.7	0.537	0.799	22992	10429	1-1438	6000	6221
96	SC-142/72/790	413	0.3317	214.03	0.791	20.1	0.616	0.916	25758	11684	1-1438	6000	5426
96	SC-165/102/873	627	0.4141	267.13	0.874	22.2	0.792	1.179	35452	16081	1-1455	6000	6192
96	SC-193/102/916	780	0.4579	295.44	0.917	23.3	0.845	1.258	37143	16848	1-1438	5856	3956
144	SC-207/110/954	899	0.4911	316.83	0.953	24.2	0.910	1.354	39652	17986	1-1438	4938	3677

This information denotes the input data needed for Sag10™ (sag and tension calculation) software. WIR files of all these catalog designs can be found on PLS-CADD web page.

\* per reel type

**NOTE:** The designs above are only a sampling of the options available from AFL. Contact customer service for a cable designed to your exact specifications.