



Voltage

600V

Construction

Sino cables type SOOW is manufactured with bare flexible copper conductor insulated by ethylene-propylene rubber (EPR). Two, three, four or five insulated conductors are cabled together with filler and sheathed with chlorinated polyethylene.

Standard

UL62, CSA Standard 22.2 No. 49, [or other standards required by customers.](#)

Features

1. Max permissible continuous operating temperature of conductor shall not exceed 90°C.
2. oils, acids, alkalines, heat, flame, sunlight, and abrasion resistant
3. bending radius is only 5 times of the outer dia. of cable.
4. RoHs compliant.

Applications

SOOW for Wind Turbine is used for portable tools, equipment, appliances, small motors and associated machinery in the wind turbine. It is also used for industry equipment, heavy tools, battery chargers, portable lights and power extensions.

Package

steel & wooden reel, wooden reel, steel reel, in coils on wooden tray, or other requirements by customers.



www.sino-cables.com

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Size		No of Cores	Stranding		Nominal Insulation Thickness		Nominal Sheath Thickness		Approx. Overall Diameter in./mm	
AWG	mm ²		No/AWG	No/mm	mil	mm	mil	mm	Calculated	Max
18	0.824	2	16/30	16/0.254	30	0.76	60	1.52	0.34/8.64	0.39/9.78
18	0.824	3	16/30	16/0.254	30	0.76	60	1.52	0.36/9.14	0.40/10.16
18	0.824	4	16/30	16/0.254	30	0.76	60	1.52	0.39/9.78	0.43/10.92
18	0.824	5	16/30	16/0.254	30	0.76	80	2.03	0.46/11.68	0.51/12.95
16	1.31	2	26/30	26/0.254	30	0.76	60	1.52	0.36/9.27	0.41/10.41
16	1.31	3	26/30	26/0.254	30	0.76	60	1.52	0.39/9.78	0.43/10.92
16	1.31	4	26/30	26/0.254	30	0.76	60	1.52	0.41/10.41	0.46/11.68
16	1.31	5	26/30	26/0.254	30	0.76	80	2.03	0.49/12.45	0.55/13.97
14	2.08	2	41/30	41/0.254	45	1.14	80	2.03	0.49/12.57	0.55/13.97
14	2.08	3	41/30	41/0.254	45	1.14	80	2.03	0.52/13.21	0.57/14.60
14	2.08	4	41/30	41/0.254	45	1.14	80	2.03	0.56/14.22	0.62/15.75
14	2.08	5	41/30	41/0.254	45	1.14	95	2.41	0.63/16.00	0.71/17.91
12	3.31	2	65/30	65/0.254	45	1.14	95	2.41	0.56/14.35	0.63/15.88
12	3.31	3	65/30	65/0.254	45	1.14	95	2.41	0.59/14.99	0.66/16.64
12	3.31	4	65/30	65/0.254	45	1.14	95	2.41	0.64/16.26	0.71/18.03
12	3.31	5	65/30	65/0.254	45	1.14	95	2.41	0.70/17.78	0.77/19.56
10	5.26	2	104/30	10/0.254	45	1.14	95	2.41	0.61/15.62	0.69/17.40
10	5.26	3	104/30	10/0.254	45	1.14	95	2.41	0.65/16.51	0.72/18.29
10	5.26	4	104/30	10/0.254	45	1.14	95	2.41	0.70/17.78	0.77/19.68
10	5.26	5	104/30	10/0.254	45	1.14	95	2.41	0.76/19.30	0.84/21.34
8	8.37	2	65/26	65/0.404	60	1.52	110	2.79	0.78/19.81	0.88/22.35
8	8.37	3	65/26	65/0.404	60	1.52	110	2.79	0.84/21.21	0.93/23.62
8	8.37	4	65/26	65/0.404	60	1.52	125	3.18	0.93/23.62	1.05/26.67
8	8.37	5	65/26	65/0.404	60	1.52	125	3.18	1.00/25.40	1.15/29.21
6	13.3	2	105/26	105/0.404	60	1.52	125	3.18	0.92/23.37	1.05/26.67
6	13.3	3	105/26	105/0.404	60	1.52	125	3.18	0.97/24.64	1.10/27.94
6	13.3	4	105/26	105/0.404	60	1.52	140	3.56	1.05/26.67	1.20/30.48
6	13.3	5	105/26	105/0.404	60	1.52	140	3.56	1.18/29.97	1.33/33.78
4	21.2	2	171/26	171/0.404	60	1.52	140	3.56	1.06/26.92	1.21/30.73
4	21.2	3	171/26	171/0.404	60	1.52	140	3.56	1.13/28.70	1.28/32.51
4	21.2	4	171/26	171/0.404	60	1.52	155	3.94	1.25/31.75	1.45/36.85
2	33.6	2	266/26	266/0.404	60	1.52	155	3.94	1.21/30.73	1.40/35.56
2	33.6	3	266/26	266/0.404	60	1.52	155	3.94	1.30/33.12	1.50/38.1
2	33.6	4	266/26	266/0.404	60	1.52	170	4.32	1.45/36.83	1.65/41.91

*All values are nominal and subject to correction.

* color sequence: 2 core- black, white; 3 core- black, white, green; 4 core- black, white, green, red; 5 core- black, white, green, red, orange

*6 core and above also can be designed according to customers' requirement.