

180°C AGR EXTRA SOFT SILICON RUBBER INSULATED WIRE



APPLICATION

Suitable for lighting equipment, high-temperature control cabinets, instruments and meters, boilers, brick factories, heating equipment, electric heating appliances, kitchen appliances, automobiles, high-temperature motors, transformers, and chemical industry equipment, etc

Technical data

Conductor: silver plated copper, nickel plated copper or tinned copper

Insulation: Silicon rubber

Temperature Range: -60°C~180 °C

Rated Voltage: 300/500V



Conductor Size (AWG)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 °C Maximum conductor resistance (Ω/km)
30#	14/0.07	0.45	1.3	381
28#	21/0.07	0.45	1.3	239
26#	32/0.07	0.5	1.5	150
24#	52/0.07	0.5	1.6	94.2
22#	84/0.07	0.5	1.8	59.4
20#	140/0.07	0.5	2.1	36.7
18#	210/0.07	0.6	2.4	23.2

The information contained within this data sheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances .

Conductor Size (AWG)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 °C Maximum conductor resistance (Ω/km)
18#	384/0.05	0.6	2.4	23.2
16#	353/0.07	0.76	3.06	14.6
15#	427/0.07	0.76	3.3	11.3
14#	530/0.07	0.76	3.5	8.96
13#	653/0.07	0.76	4	7.1
12#	855/0.07	0.76	4.5	5.64
11#	1080/0.07	1.14	5.5	4.48
10#	1050/0.08	1.14	6	3.546
10#	1368/0.07	1.14	6	3.546
8#	2160/0.07	1.52	7.2	2.23
7#	2701/0.07	1.52	8	1.768
6#	3420/0.07	1.52	8.5	1.403
5#	4440/0.07	2	9.8	1.113
3#	3400/0.10	2	11.4	0.6996
2#	4522/0.10	2	12.6	0.5548

Note: Other specifications of wires could be customized according to your requirements.