

SPECIFICATION

ECOFLEX

0.5~150mm² 200°C 600V / 1000V FIBREGLASS BRAIDED SILICONE INSULATED WIRE

Description:

Fiberglass braided silicone insulated wire. Ideal for applications in environments where temperatures are either high or low, these cables work between -60°C to +200°C.

Application:

This wire is well suited for internal wiring, engines, electrical motors and other rotating and static machines. It is used for high mechanical stress, as the fibreglass braiding protects the silicone insulation from mechanical damages. Good resistance to thermal shock and heat resistant.



Construction:

- 1 Fine-stranded tin plated copper
- 2 Extruded silicone insulation
- 3 Fibreglass braiding with silicone resin coating

Technical data:

Nominal voltage	600 / 1000 Volt
Operating temperature	-60°C till +200°C
Test voltage	1500V/min

CONSTRUCTION

Conductor		Insulation		Fiberglass Braided		Nominal Voltage V (Uo/U)	Conductor Resistance Ω/KM (20°C)	Max. Amps At 40°C Amps
Size mm ²	Construction No./mm	Nom. Thk. mm	Diameter mm	Nom. Thk. mm	Diameter mm			
0.5	20/0.18±0.01	0.38	1.70±0.30	0.20	2.10±0.30	300/500	40.1	13
0.75	30/0.18±0.01	0.38	1.90±0.30	0.20	2.30±0.30	300/500	26.7	15
1.0	40/0.18±0.01	0.38	2.10±0.30	0.20	2.50±0.30	300/500	20.0	19
1.25	50/0.18±0.01	0.38	2.20±0.30	0.20	2.60±0.30	300/500	16.0	21
1.5	59/0.18±0.01	0.38	2.40±0.30	0.20	2.80±0.30	300/500	13.7	23
2.0	37/0.26±0.01	0.51	2.80±0.30	0.20	3.20±0.30	300/500	10.0	32
2.5	47/0.26±0.01	0.51	3.10±0.30	0.20	3.50±0.30	300/500	8.21	38
3.0	37/0.32±0.01	0.51	3.30±0.30	0.20	3.70±0.30	300/500	6.84	40
3.5	44/0.32±0.01	0.76	4.00±0.30	0.25	4.50±0.30	300/500	5.70	43
4.0	50/0.32±0.01	0.76	4.10±0.30	0.25	4.60±0.30	300/500	5.09	45
5.0	32/0.45±0.01	0.76	4.50±0.30	0.25	4.90±0.30	300/500	4.07	49
5.5	35/0.45±0.01	0.76	4.60±0.30	0.25	5.10±0.50	300/500	3.70	56
8.0	50/0.45±0.01	0.76	5.20±0.30	0.25	5.70±0.50	300/500	2.60	75
10	63/0.45±0.01	0.90	5.90±0.30	0.25	6.40±0.50	300/500	1.95	82
12	74/0.45±0.01	0.90	7.00±0.50	0.25	7.50±0.50	300/500	1.48	90
14	88/0.45±0.01	1.00	7.60±0.50	0.25	8.10±0.50	300/500	1.19	98
16	98/0.45±0.01	1.00	7.80±0.50	0.25	8.30±0.50	300/500	1.11	109
22	140/0.45±0.01	1.50	10.0±0.50	0.25	10.5±0.50	600/1000	0.89	120
30	189/0.45±0.01	1.60	11.3±0.80	0.25	11.8±0.80	600/1000	0.65	150
38	238/0.45±0.01	1.80	12.7±0.80	0.25	13.2±0.80	600/1000	0.51	166
50	304/0.45±0.01	1.80	14.0±0.80	0.25	14.5±0.80	600/1000	0.35	208
60	380/0.45±0.01	1.80	15.2±0.80	0.25	15.7±0.80	600/1000	0.30	230
70	437/0.45±0.01	1.80	16.1±0.80	0.25	16.6±0.80	600/1000	0.25	251
80	513/0.45±0.01	2.00	17.5±0.80	0.25	18.0±0.80	600/1000	0.22	270
100	627/0.45±0.01	2.20	19.4±0.80	0.25	19.9±0.80	600/1000	0.18	330
150	740/0.50±0.01	2.40	22.9±0.80	0.25	23.4±0.80	600/1000	0.12	414