NYVIN WIRES

KIN COPPER ELECTRIC

ECOFLEX

ECOFLEX NYVIN WIRE (Taiwan)

Silicone Rubber Insulated Wire with Outer Fibre Glass Braiding 200°C

No.	Stock Code	Description	Size (mm^2)	Amps (A)	Price/100 M (RM)
1	NWE0050	0.50MM ECOFLEX SILICONE NYVIN WIRE	0.50	13.0	
2	NWE0075	0.75MM ECOFLEX SILICONE NYVIN WIRE	0.75	15.0	
3	NWE0100	1.00MM ECOFLEX SILICONE NYVIN WIRE	1.00	19.0	
4	NWE0150	1.50MM ECOFLEX SILICONE NYVIN WIRE	1.50	23.0	
5	NWE0200	2.00MM ECOFLEX SILICONE NYVIN WIRE	2.00	32.0	
6	NWE0250	2.50MM ECOFLEX SILICONE NYVIN WIRE	2.50	38.0	
7	NWE0300	3.00MM ECOFLEX SILICONE NYVIN WIRE	3.00	40.0	
8	NWE0350	3.50MM ECOFLEX SILICONE NYVIN WIRE	3.50	43.0	
9	NWE0400	4.00MM ECOFLEX SILICONE NYVIN WIRE	4.00	45.0	
10	NWE0550	5.50MM ECOFLEX SILICONE NYVIN WIRE	5.50	56.0	
11	NWE0800	8.00MM ECOFLEX SILICONE NYVIN WIRE	8.00	75.0	
12	NWE1000	10.00MM ECOFLEX SILICONE NYVIN WIRE	10.00	82.0	
13	NWE1200	12.00MM ECOFLEX SILICONE NYVIN WIRE	12.00	90.0	
14	NWE1400	14.00MM ECOFLEX SILICONE NYVIN WIRE	14.00	98.0	
15	NWE1600	16.00MM ECOFLEX SILICONE NYVIN WIRE	16.00	109.0	
16	NWE2200	22.00MM ECOFLEX SILICONE NYVIN WIRE	22.00	120.0	
17	NWE3000	30.00MM ECOFLEX SILICONE NYVIN WIRE	30.00	150.0	
18	NWE3800	38.00MM ECOFLEX SILICONE NYVIN WIRE	38.00	166.0	
19	NWE5000	50.00MM ECOFLEX SILICONE NYVIN WIRE	50.00	208.0	
20	NWE7000	70.00MM ECOFLEX SILICONE NYVIN WIRE	70.00	251.0	

SPECIFICATION

ECOFLEX

0.5~150mm² 200°C 600V / 1000V FIBERGLASS 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	Conductor	Max. Amps
Size	Construction	Nom. Thk.	Diameter	Nom. Thk.	Diameter	Voltage	Resistance	At 40°C
mm²	No./mm	mm	mm	mm	mm	V (Uo/U)	Ω/KM (20°C)	Amps
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