



uki is one of Europe's largest suppliers of electrical insulation materials and flexible films

**UK Insulations
Product Information**

Silicone Cable

Applications

Silicone cables are employed where they are subjected to extreme changes in temperature. They are heat resistant up to 180°C, intermittently 220°C. Due to good resistance in all weather conditions these cables can also be employed at temperatures as low as -60°C.

Upon and after combustion a residue of pure silica is produced and the cables continue to function. However it is usual to provide a glass braid around the cable to prevent a break down of the silica during and after a fire.

Silicone cables are halogen free and are most suitable for power plants.

They have become indispensable in a wide range of industrial sectors, in foundries, steel, hot rolling mills, cooking equipment, cement, glass and ceramic factories, ship and aircraft construction, and oil burners.

Specification

APPROVALS	CEI-DIN VDE 0250-IEC
CONDUCTORS	FLEXIBLE CLASS 5 TINNED COPPER CONDUCTORS TO BS 6360
INSULATIONS	SILICONE RUBBER INSULATION - SIF
VOLTAGE	300 / 500V
TEMPERATURE	-60 TO +180°C



Technical data

SIZE MM	STRANDIND MM	NOMINAL O/DIA MM	WEIGHT KG/KM	NOMINAL O/DIA MM	WEIGHT KG / KM
0.5	16/0.20	2.1	8	2.6	12
0.75	24/0.20	2.4	11	2.9	16
1	32/0.20	2.5	14	3.0	18
1.5	30/0.25	2.8	19	3.3	23
2.5	50/0.25	3.4	30	3.9	35
4	56/0.30	4.2	48	4.7	53
6	84/0.30	5.2	71	5.7	77
10	80/0.40	7	120	7.5	129
16	1260.40	8.4	180	8.9	198
25	196/0.40	10.3	290	10.8	302
35	270/0.40	11.6	400	12.1	413
50	396/0.40	13.9	550	14.4	578
70	360/0.5	16.0	750	16.5	815
95	475/0.5	18.4	1000	18.9	1100

