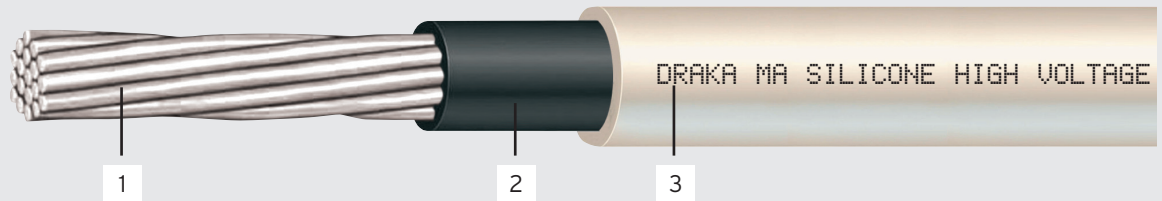




Draka

Silicone High Voltage Cable

very flexible / corona resistant / high temperature



Applications

Silicone High Voltage cables are designed to maximize corona inception voltages for use in higher voltage systems. Typical applications include radar equipment, aircraft and missile ignition, antenna, X-ray equipment, electrostatic equipment, semiconductor processing equipment, rocket motors and use in areas with high sensitivity to EMI (electro magnetic interference).

Features

Wide voltage ranges available -
10 to 80 KVDC and 5 to 30 KVAC
Very flexible
Comparatively small diameters
Fungi inert
Moisture resistant
Dependable operation across wide temperature range

Construction

1. CONDUCTORS

Single stranded conductor for flexibility with silver plating.

2. INSULATION

Some versions feature an extruded semiconductive silicone shield.

3. JACKET

Extruded dielectric silicone.



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Part Number	Wire Size AWG	Wire Stranding	Continuous Working Voltage KVAC • KVDC	Conductor Diameter in (mm)	Silicone Strand Shield Diameter in (mm)	Overall Diameter in (mm)	Cable Weight lbs/ft (kg/km)
005636	20	19/32	5 • 10	.040 (1.0)	n/a	.100 (2.5)	3.6 (5.4)
005637	18	19/30	7.5 • 20	.051 (1.3)	n/a	.140 (3.6)	6.6 (9.8)
005638	16	19/29	10 • 30	.058 (1.5)	n/a	.180 (4.6)	11.5 (17.1)
005639	22	19/34	10 • 30	.032 (0.8)	.067 (1.7)	.180 (4.6)	12.4 (18.5)
0A2841	18	19/30	15 • 40	.051 (1.3)	.086 (2.2)	.236 (6.0)	22.1 (32.9)
002841	14	19/27	18 • 50	.071 (1.8)	.100 (2.5)	.300 (7.6)	47.1 (70.2)
005640	12	19/25	20 • 60	.092 (2.3)	.134 (3.4)	.360 (9.1)	51.1 (76.1)
005641	8	133/29	30 • 80	.150 (3.8)	.240 (6.1)	.650 (16.5)	181.0 (269.7)

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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