SiHF-J



Application

Silicone cables were evolved for use wherever insulation is subjected to extreme temperature changes. They are heat-resistant for permanent temperature up to +180°C, for short time operation up to +220°C. The good performance of the environmental resistant properties means that silicone cables can be used at temperatures down to -60°C. Silicone cables are halogenfree cables and are especially suited for installation in power stations. They have also found their uses in the steel producing industries, aviation industry, ship building as well as in ceramic, glass and cement factories. Due to elastical characteristic of core insulations, these are used as flexible connection cable.

Rated voltage:
300/500 V for size up to 1 mm2
450/750 V for size over 1 mm2

Standards

adapted to DIN VDE 0250 Teil 1 und Teil 502,
VDE 0482-332-1-2

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor	tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
Core Insulation	silicone
Core Color	acc. DIN VDE 0293 or HD 308 S2
Stranding Elements	cores stranded in layers with optimalbr>lay-length
Outer Insulation Material	silicone rubber
Constant Against	high molecular oils, greases from vegetables and animals, alcohols, plasticizers and clophenes, diluted acids, lyes and salt dissolution, oxidation substances, tropical influences and weather, lake water, oxygen and UV

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Silikonschlauchleitungen
Silikon Cables

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2000 V
Bending Radius moved (xD)	4
Bending Radius fixed (xD)	3
Operating Temperature solid	-60 °C bis 180 °C
Operating Temperature moving	-60 °C bis 180 °C
Short Circuit Temperature	350 °C
Fire Classes	Eca

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Silikonschlauchleitungen
Silikon Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01206076	0	2 x 0,5	red/brown - red/brown	52,0	5,8
01206002	O	2 x 0,75	red/brown - red/brown	62,0	6,2
01206008	O	2 x 1	red/brown - red/brown	71,0	6,5
01206013	O	2 x 1,5	red/brown - red/brown	89,0	7,1
01206025	O	2 x 2,5	red/brown - red/brown	141,0	8,9
01206031	O	2 x 4	red/brown - red/brown	197,0	10,4
01206050	O	2 x 6	red/brown - red/brown	257,0	11,6
01206069	J	3 x 0,5	red/brown - red/brown	61,0	6,1
01206003	J	3 x 0,75	red/brown - red/brown	73,0	6,5
01206070	O	3 x 0,75	red/brown - red/brown	73,0	6,5
01206009	J	3 x 1	red/brown - red/brown	85,0	6,9
01206112		3 x 1	black - black	85,0	6,9
01206015	J	3 x 1,5	red/brown - red/brown	112,0	7,7
01206026	J	3 x 2,5	red/brown - red/brown	177,0	9,6
01206032	J	3 x 4	red/brown - red/brown	247,0	11,3
01206036	J	3 x 6	red/brown - red/brown	326,0	12,6
01206099	J	3 x 10	red/brown - red/brown	512,0	15,8
01206052	J	4 x 0,5	red/brown - red/brown	74,0	6,7
01206005	J	4 x 0,75	red/brown - red/brown	89,0	7,1
01206010	J	4 x 1	red/brown - red/brown	107,0	7,7
01206017	J	4 x 1,5	red/brown - red/brown	142,0	8,6
01206027	J	4 x 2,5	red/brown - red/brown	218,0	10,6
01206033	J	4 x 4	red/brown - red/brown	306,0	12,3
01206037	J	4 x 6	red/brown - red/brown	406,0	13,8

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01206040	J	4 x 10	red/brown - red/brown	648,0	17,6
01206042	J	4 x 16	red/brown - red/brown	1.014,0	24,0
01206043	J	4 x 25	red/brown - red/brown	1.500,0	27,5
01206056	J	4 x 35	red/brown - red/brown	2.100,0	32,8
01206080	J	4 x 50	red/brown - red/brown	2.900,0	34,0
01206061	J	5 x 0,5	red/brown - red/brown	89,0	7,3
01206006	J	5 x 0,75	red/brown - red/brown	112,0	8,0
01206011	J	5 x 1	red/brown - red/brown	130,0	8,4
01206018	J	5 x 1,5	red/brown - red/brown	173,0	9,4
01206028	J	5 x 2,5	red/brown - red/brown	265,0	11,6
01206034	J	5 x 4	red/brown - red/brown	381,0	13,7
01206038	J	5 x 6	red/brown - red/brown	504,0	15,5
01206041	J	5 x 10	red/brown - red/brown	870,0	22,2
01206065	J	5 x 16	red/brown - red/brown	1.206,0	26,7
01206085	J	6 x 0,75	red/brown - red/brown	132,0	8,7
01206019	J	6 x 1,5	red/brown - red/brown	204,0	10,3
01206054	J	7 x 0,5	red/brown - red/brown	108,0	7,9
01206007	J	7 x 0,75	red/brown - red/brown	138,0	8,7
01206012	J	7 x 1	red/brown - red/brown	161,0	9,1
01206020	J	7 x 1,5	red/brown - red/brown	216,0	10,8
01206029	J	7 x 2,5	red/brown - red/brown	334,0	12,6
01206035	J	7 x 4	red/brown - red/brown	479,0	14,9
01206039	J	7 x 6	red/brown - red/brown	641,0	16,9
01206073	J	10 x 1	red/brown - red/brown	216,0	11,3

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01206022	J	12 x 1,5	red/brown - red/brown	314,0	14,5
01206024	J	24 x 1,5	red/brown - red/brown	723,0	21,0

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