

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.

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 optimal layer-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 influen

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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)	15
Bending Radius fixed (xD)	5
Operating Temperature solid	-60 °C bis 180 °C
Operating Temperature moving	0 °C bis 0 °C
Fire Classes	Eca

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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	O	2 x 0,5	red/brown - red/brown	39.0	4.8
01206002	O	2 x 0,75	red/brown - red/brown	57.0	6.4
01206008	O	2 x 1	red/brown - red/brown	64.0	6.6
01206013	O	2 x 1,5	red/brown - red/brown	87.0	8.0
01206025	O	2 x 2,5	red/brown - red/brown	137.0	9.5
01206031	O	2 x 4	red/brown - red/brown	191.0	11.3
01206050	O	2 x 6	red/brown - red/brown	274.0	11.0
01206069	J	3 x 0,5	red/brown - red/brown	48.0	5.7
01206003	J	3 x 0,75	red/brown - red/brown	66.0	6.8
01206070	O	3 x 0,75	red/brown - red/brown	66.0	6.8
01206009	J	3 x 1	red/brown - red/brown	81.0	7.4
01206112		3 x 1	black - black	81.0	7.4
01206015	J	3 x 1,5	red/brown - red/brown	104.0	8.3
01206026	J	3 x 2,5	red/brown - red/brown	164.0	10.0
01206032	J	3 x 4	red/brown - red/brown	248.0	11.9
01206036	J	3 x 6	red/brown - red/brown	351.0	14.2
01206099	J	3 x 10	red/brown - red/brown	507.0	17.2
01206118	J	3 x 25	red/brown - red/brown	1,100.0	23.5
01206052	J	4 x 0,5	red/brown - red/brown	58.0	6.2
01206005	J	4 x 0,75	red/brown - red/brown	67.0	7.8
01206010	J	4 x 1	red/brown - red/brown	100.0	8.0
01206017	J	4 x 1,5	red/brown - red/brown	127.0	9.0
01206027	J	4 x 2,5	red/brown - red/brown	200.0	11.0
01206033	J	4 x 4	red/brown - red/brown	329.0	13.3

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01206037	J	4 x 6	red/brown - red/brown	462.0	16.2
01206040	J	4 x 10	red/brown - red/brown	709.0	21.4
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
01206111	J	4 x 95	red/brown - red/brown	4,800.0	51.0
01206061	J	5 x 0,5	red/brown - red/brown	62.0	6.8
01206006	J	5 x 0,75	red/brown - red/brown	105.0	8.5
01206011	J	5 x 1	red/brown - red/brown	121.0	8.8
01206018	J	5 x 1,5	red/brown - red/brown	148.0	9.8
01206028	J	5 x 2,5	red/brown - red/brown	240.0	11.9
01206034	J	5 x 4	red/brown - red/brown	399.0	15.0
01206038	J	5 x 6	red/brown - red/brown	547.0	17.7
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	115.0	9.5
01206019	J	6 x 1,5	red/brown - red/brown	181.0	10.6
01206054	J	7 x 0,5	red/brown - red/brown	85.0	8.3
01206007	J	7 x 0,75	red/brown - red/brown	130.0	9.5
01206012	J	7 x 1	red/brown - red/brown	151.0	9.8
01206020	J	7 x 1,5	red/brown - red/brown	190.0	10.9
01206029	J	7 x 2,5	red/brown - red/brown	300.0	13.1
01206035	J	7 x 4	red/brown - red/brown	486.0	16.2

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01206039	J	7 x 6	red/brown - red/brown	694.0	19.8
01206109	J	8 x 0,5	red/brown - red/brown	98.0	8.9
01206021	J	8 x 1,5	red/brown - red/brown	213.0	11.7
01206086		10 x 0,5	red/brown - red/brown	124.0	10.4
01206073	J	10 x 1	red/brown - red/brown	216.0	11.3
01206100	J	10 x 1,5	red/brown - red/brown	263.0	13.0
01206084	J	12 x 0,5	red/brown - red/brown	141.0	10.8
01206048	J	12 x 0,75	red/brown - red/brown	185.0	11.1
01206091	J	12 x 1	red/brown - red/brown	231.0	12.5
01206022	J	12 x 1,5	red/brown - red/brown	314.0	14.5
01206030	J	12 x 2,5	red/brown - red/brown	573.0	18.0
01206094	J	14 x 1	red/brown - red/brown	261.0	12.9
01206101	J	14 x 1,5	red/brown - red/brown	379.0	14.7
01206107	J	16 x 0,5	red/brown - red/brown	205.0	12.1
01206023	J	16 x 1,5	red/brown - red/brown	445.0	16.7
01206089	J	16 x 2,5	red/brown - red/brown	659.0	19.6
01206104	J	18 x 0,5	red/brown - red/brown	211.0	12.7
01206075	J	18 x 0,75	red/brown - red/brown	260.0	13.3
01206066	J	18 x 1	red/brown - red/brown	340.0	13.8
01206051	J	18 x 1,5	red/brown - red/brown	506.0	17.6
01206074	J	18 x 2,5	red/brown - red/brown	761.0	20.0
01206095	J	20 x 1	red/brown - red/brown	360.0	14.5
01206057	J	20 x 1,5	red/brown - red/brown	566.0	18.2
01206024	J	24 x 1,5	red/brown - red/brown	723.0	21.0

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01206087	J	25 x 0,5	red/brown - red/brown	271.0	15.4
01206082	J	25 x 0,75	red/brown - red/brown	370.0	17.6
01206071	J	25 x 1	red/brown - red/brown	431.0	16.2
01206110	J	25 x 1,5	red/brown - red/brown	927.0	24.0
01206072	J	25 x 2,5	red/brown - red/brown	1,007.0	24.5