

SiHF/GL/P-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. Silicone cables can be used at temperatures down to -60°C. Silicone cables are halogen-free 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. The steel wire braiding serves as a protection from mechanical stress.

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
Inner Sheath Material	Glasseidengeflecht
Outer Insulation Material	silicone rubber with extra galvanised steel wire braiding
Constant Against	high molecular oils, greases from vegetables and animals, alcohols, plasticizers and clophenes, diluted acids, lyes and salt dissolution, oxidation substances, weathering effect

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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)	10
Bending Radius fixed (xD)	0
Operating Temperature solid	-60 °C bis 180 °C
Operating Temperature moving	0 °C bis 0 °C

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Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01208001	2 x 0,75	red/brown - red/brown	90.0	7.9
01208006	2 x 1	red/brown - red/brown	97.0	8.0
01208011	2 x 1,5	red/brown - red/brown	127.0	9.0
01208018	2 x 2,5	red/brown - red/brown	187.0	10.7
01208002	3 x 0,75	red/brown - red/brown	101.0	8.3
01208007	3 x 1	red/brown - red/brown	122.0	8.9
01208037	3 x 1,5	red/brown - red/brown	145.0	9.5
01208019	3 x 2,5	red/brown - red/brown	205.0	11.2
01208024	3 x 4	red/brown - red/brown	311.0	13.0
01208003	4 x 0,75	red/brown - red/brown	129.0	9.3
01208008	4 x 1	red/brown - red/brown	141.0	9.4
01208013	4 x 1,5	red/brown - red/brown	173.0	10.3
01208020	4 x 2,5	red/brown - red/brown	278.0	12.1
01208025	4 x 4	red/brown - red/brown	384.0	15.0
01208028	4 x 6	red/brown - red/brown	544.0	18.0
01208030	4 x 10	red/brown - red/brown	925.0	22.1
01208031	4 x 16	red/brown - red/brown	1,235.0	26.1
01208032	4 x 25	red/brown - red/brown	1,700.0	30.4
01208004	5 x 0,75	red/brown - red/brown	157.0	10.0
01208009	5 x 1	red/brown - red/brown	166.0	10.4
01208014	5 x 1,5	red/brown - red/brown	202.0	11.0
01208021	5 x 2,5	red/brown - red/brown	322.0	13.3
01208026	5 x 4	red/brown - red/brown	454.0	16.0
01208029	5 x 6	red/brown - red/brown	656.0	19.4

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01208005	7 x 0,75	red/brown - red/brown	177.0	10.7
01208010	7 x 1	red/brown - red/brown	197.0	11.1
01208016	7 x 1,5	red/brown - red/brown	244.0	12.0
01208022	7 x 2,5	red/brown - red/brown	380.0	14.4
01208034	7 x 6	red/brown - red/brown	768.0	20.7
01208017	12 x 1,5	red/brown - red/brown	327.0	15.5
01208033	18 x 1,5	red/brown - red/brown	440.0	18.7