SiHFCuSi-JB



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. An interference-free transmission of signals and pulse is assured by the high screening density. The ideal interference-protected silicone multicore flexible cable for such applications as given above.

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
Inner Sheath Material	silicone rubber
Overall Shielding	screen braid of tinned copper wires, coverage approx. 85%
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, weathering effects, 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)	10
Bending Radius fixed (xD)	5
Operating Temperature solid	-60 °C bis 180 °C
Operating Temperature moving	0 °C bis 0 °C

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Silikon Cables

Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01210029	2 x 0,5	red/brown - red/brown	101,0	8,7
01210014	2 x 0,75	red/brown - red/brown	124,0	9,2
01210010	2 x 1	red/brown - red/brown	132,0	9,5
01210015	2 x 1,5	red/brown - red/brown	172,0	10,7
01210044	2 x 2,5	red/brown - red/brown	230,0	12,1
01210028	3 x 0,5	red/brown - red/brown	118,0	8,9
01210002	3 x 0,75	red/brown - red/brown	136,0	9,5
01210024	3 x 1	red/brown - red/brown	153,0	9,7
01210008	3 x 1,5	red/brown - red/brown	198,0	11,2
01210045	3 x 2,5	red/brown - red/brown	275,0	12,9
01210025	4 x 0,5	red/brown - red/brown	131,0	9,4
01210003	4 x 0,75	red/brown - red/brown	159,0	10,1
01210006	4 x 1	red/brown - red/brown	173,0	10,4
01210017	4 x 1,5	red/brown - red/brown	235,0	11,8
01210012	4 x 2,5	red/brown - red/brown	340,0	14,2
01210021	4 x 4	red/brown - red/brown	520,0	17,1
01210018	4 x 6	red/brown - red/brown	781,0	18,8
01210019	4 x 10	red/brown - red/brown	978,0	24,1
01210020	4 x 16	red/brown - red/brown	1.285,0	26,2
01210023	4 x 25	red/brown - red/brown	1.966,0	31,7
01210048	4 x 35	red/brown - red/brown	3.150,0	33,8
01210030	5 x 0,5	red/brown - red/brown	153,0	10,0
01210004	5 x 0,75	red/brown - red/brown	180,0	10,7
01210007	5 x 1	red/brown - red/brown	202,0	11,3

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01210011	5 x 1,5	red/brown - red/brown	281,0	13,3
01210022	5 x 2,5	red/brown - red/brown	394,0	15,3
01210047	5 x 4	red/brown - red/brown	653,0	19,4
01210049	5 x 6	red/brown - red/brown	982,0	20,1
01210001	7 x 0,5	red/brown - red/brown	173,0	10,5
01210005	7 x 0,75	red/brown - red/brown	212,0	11,6
01210027	7 x 1	red/brown - red/brown	243,0	12,0
01210031	7 x 1,5	red/brown - red/brown	345,0	14,3
01210046	7 x 2,5	red/brown - red/brown	488,0	16,9
01210013	10 x 0,5	red/brown - red/brown	242,0	13,1
01210032	12 x 0,5	red/brown - red/brown	263,0	13,4
01210036	12 x 0,75	red/brown - red/brown	333,0	14,7
01210016	12 x 1,5	red/brown - red/brown	531,0	18,0
01210033	18 x 0,5	red/brown - red/brown	351,0	15,1
01210040	18 x 1	red/brown - red/brown	526,0	17,8
01210043	18 x 1,5	red/brown - red/brown	720,0	20,9
01210041	25 x 1	red/brown - red/brown	559,0	23,0
01210009	25 x 1,5	red/brown - red/brown	791,0	24,1

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