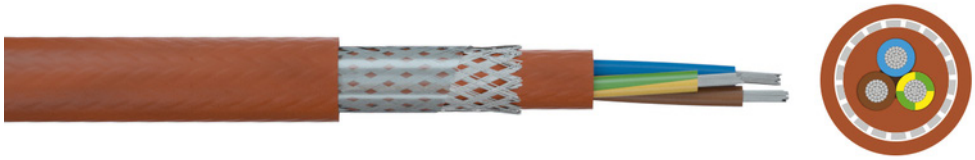
Screened silicone cord
SiHF-C-Si



Application: For connection of electrical appliances without mechanical stress at increased environmental temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, acids, lyes and oxidants. For indoor and outdoor use. The cable is designed for use in EMC-sensitive applications.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	silicone rubber
Material inner sheath:	silicone rubber
Screen:	tinned copper braid
Screen coverage:	85 %
Sheathing material:	silicone rubber
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	180 °C
Permitted outer cable temperature, fixed, °C:	-60 - +180 °C
Min. bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	10 x Ø

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

SiHF-C-Si-O

Nominal voltage Uo:	300 V
Nominal voltage U:	500 V
Test voltage:	2 kV
Protective conductor:	no
Core identification:	colours acc. to HD 308; more than 5 cores: numbers

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part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
034550	02X0.5	40.1	9	8.1	56	101
034551	02X0.75	26.7	12	8.4	62	132
034552	02X1	20	15	8.9	67	145
034553	02X1.5	13.7	18	10.3	88	192
034554	02X2.5	8.21	26	12	123	238

SiHF-C-Si-J

Nominal voltage Uo: 300 V

Nominal voltage U: 500 V

Test voltage: 2 kV

Protective conductor: yes

Core identification: colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
036095	03X0.5	40.1	9	8.4	61	114
031971	04X0.5	40.1	9	8.9	66.5	138
036096	05X0.5	40.1	9	9.7	82	156
032125	07X0.5	40.1	9	10.5	95	197
036097	12X0.5	40.1	9	14.1	134.4	283
036098	25X0.5	40.1	9	18.5	230.1	444
031574	03X0.75	26.7	12	8.8	69.1	145
031894	04X0.75	26.7	12	9.7	86	180
033728	05X0.75	26.7	12	10.5	95.2	208
032639	07X0.75	26.7	12	11.9	113.3	244
036099	12X0.75	26.7	12	15.1	180.3	356
036100	18X0.75	26.7	12	18	282.1	494
036101	25X0.75	26.7	12	20.8	297.4	600
033737	03X1	20	15	9.5	86.2	160
032889	04X1	20	15	10.3	97	206
033729	05X1	20	15	11.4	110	237
032890	07X1	20	15	12.5	142	278
035184	12X1	20	15	16.9	254	423
036102	18X1	20	15	18.9	297.4	558
031895	24X1	20	15	22.7	325	780
036049	25X1	20	15	21.8	386	813
031951	03X1.5	13.7	18	10.7	103.5	212
032322	04X1.5	13.7	18	12.2	132	244
033730	05X1.5	13.7	18	13.8	149	285
032637	07X1.5	13.7	18	14.7	193.4	330
031806	12X1.5	13.7	18	19.9	298	534
034858	18X1.5	13.7	18	22.8	394	775
035140	25X1.5	13.7	18	26.6	488.2	870
034764	03X2.5	8.21	26	12.4	148	289
032789	04X2.5	8.21	26	13.5	189	334
032043	05X2.5	8.21	26	15.3	214.9	393
034795	07X2.5	8.21	26	16.5	266	471
032319	04X4	5.09	34	16.9	294	466
033731	05X4	5.09	34	17.8	374	557
033482	04X6	3.39	44	18.1	449	614
033732	05X6	3.39	44	20.1	563	749
033744	04X10	1.95	61	24.1	759	978
033745	04X16	1.24	82	25.5	1180	1285
033746	04X25	0.795	108	35	1236	1966
036103	04X35	0.565	135	37.9	1564	3150

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000