

Screened silicone cord SiHFCSi



Conductor material:	tinned copper
Conductor class:	class 5 = fine stranded
Insulation:	silicone rubber
Material inner sheath:	silicone rubber
Screen:	copper braid, tinned
Screen coverage:	85 %
Sheathing material:	silicone rubber
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	yes
Maximum permitted conductor temperature:	180 °C
Permitted outer cable temperature, fixed:	-60 - +180 °C
Bending radius, fixed installation:	5 x DA
Bending radius, moving application:	10 x DA
Nominal voltage U₀:	300 V
Nominal voltage U:	500 V
Test voltage:	2 kV
Core identification:	colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

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.



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.

Table: Technical characteristics SiHF-C-Si-J/-O

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg/km]
034550	SiHF-C-Si-O 02X0,5 RT	40,1	9	8,1	56	101
036095	SiHF-C-Si-J 03X0,5 RT	40,1	9	8,4	61	114
031971	SiHF-C-Si-J 04X0,5 RT	40,1	9	8,9	66,5	138
036096	SiHF-C-Si-J 05X0,5 RT	40,1	9	9,7	82	156
032125	SiHF-C-Si-J 07X0,5 RT	40,1	9	10,5	95	197
036097	SiHF-C-Si-J 12X0,5 RT	40,1	9	14,1	134,4	283
036098	SiHF-C-Si-J 25X0,5 RT	40,1	9	18,5	230,1	444
034551	SiHF-C-Si-O 02X0,75 RT	26,7	12	8,4	62	132
031574	SiHF-C-Si-J 03X0,75 RT	26,7	12	8,8	69,1	145

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg/km]
031894	SiHF-C-Si-J 04X0,75 RT	26,7	12	9,7	86	180
033728	SiHF-C-Si-J 05X0,75 RT	26,7	12	10,5	95,2	208
032639	SiHF-C-Si-J 07X0,75 RT	26,7	12	11,9	113,3	244
036099	SiHF-C-Si-J 12X0,75 RT	26,7	12	15,1	180,3	356
036100	SiHF-C-Si-J 18X0,75 RT	26,7	12	18	282,1	494
036101	SiHF-C-Si-J 25X0,75 RT	26,7	12	20,8	297,4	600
034552	SiHF-C-Si-O 02X1 RT	20	15	8,9	67	145
033737	SiHF-C-Si-J 03X1 RT	20	15	9,5	86,2	160
032889	SiHF-C-Si-J 04X1 RT	20	15	10,3	97	206
033729	SiHF-C-Si-J 05X1 RT	20	15	11,4	110	237
032890	SiHF-C-Si-J 07X1 RT	20	15	12,5	142	278
035184	SiHF-C-Si-J 12X1 RT	20	15	16,9	254	423
036102	SiHF-C-Si-J 18X1 RT	20	15	18,9	297,4	558
031895	SiHF-C-Si-J 24X1 RT	20	15	22,7	325	780
036049	SiHF-C-Si-J 25X1 RT	20	15	21,8	386	813
034553	SiHF-C-Si-O 02X1,5 RT	13,7	18	10,3	88	192
031951	SiHF-C-Si-J 03X1,5 RT	13,7	18	10,7	103,5	212
032322	SiHF-C-Si-J 04X1,5 RT	13,7	18	12,2	132	244
033730	SiHF-C-Si-J 05X1,5 RT	13,7	18	13,8	149	285
032637	SiHF-C-Si-J 07X1,5 RT	13,7	18	14,7	193,4	330
031806	SiHF-C-Si-J 12X1,5 RT	13,7	18	19,9	298	534
034858	SiHF-C-Si-J 18X1,5 RT	13,7	18	22,8	394	775
035140	SiHF-C-Si-J 25X1,5 RT	13,7	18	26,6	488,2	870
034554	SiHF-C-Si-O 02X2,5 RT	8,21	26	12	123	238
034764	SiHF-C-Si-J 03X2,5 RT	8,21	26	12,4	148	289
032789	SiHF-C-Si-J 04X2,5 RT	8,21	26	13,5	189	334
032043	SiHF-C-Si-J 05X2,5 RT	8,21	26	15,3	214,9	393
034795	SiHF-C-Si-J 07X2,5 RT	8,21	26	16,5	266	471
032319	SiHF-C-Si-J 04X4 RT	4,95	34	16,9	294	466
033731	SiHF-C-Si-J 05X4 RT	4,95	34	17,8	374	557
033482	SiHF-C-Si-J 04X6 RT	3,39	44	18,1	449	614
033732	SiHF-C-Si-J 05X6 RT	3,39	44	20,1	563	749
033744	SiHF-C-Si-J 04X10 RT	1,95	61	24,1	759	978
033745	SiHF-C-Si-J 04X16 RT	1,24	82	25,5	1180	1285
033746	SiHF-C-Si-J 04X25 RT	0,795	108	35	1236	1966
036103	SiHF-C-Si-J 04X35 RT	0,565	135	37,9	1564	3150

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
DA	Outer diameter approx.
Cu	Copper weight (GER)
G	weight