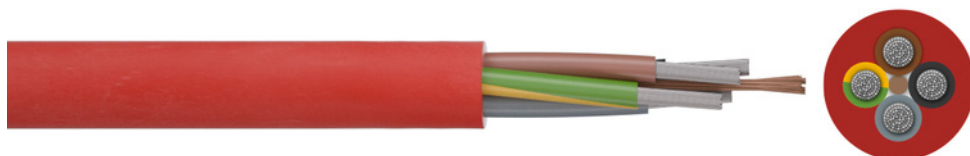


Silicone insulated cord

SiHF



Application: For connection of mobile electrical appliances without mechanical stress at increased ambient temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanically protected conduits. For indoor and outdoor use.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	silicone rubber
Sheathing material:	silicone rubber
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	no
Oil-resistant:	yes
Max. temperature at conductor, °C:	180 °C
Permitted outer cable temperature, fixed, °C:	-60 - +180 °C
Bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	15 x Ø
Insulation resistance:	200 MOhm _x km



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-J**Nominal voltage U_o:** 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	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
035233	03X0.5 RD	40.1	9	5.9	14.4	42
035234	04X0.5 RD	40.1	9	6.6	19.2	54
035235	05X0.5 RD	40.1	9	7.3	24	62
035236	07X0.5 RD	40.1	9	8.1	34	82
035237	10X0.5 RD	40.1	9	10.4	48.1	124
035238	12X0.5 RD	40.1	9	10.8	57.6	141
035239	16X0.5 RD	40.1	9	12.3	76.8	186
035240	18X0.5 RD	40.1	9	12.9	86.5	211
030709	03X0.75 RD	26.7	12	6.8	21.6	66
030710	04X0.75 RD	26.7	12	7.8	28.8	84
030942	05X0.75 RD	26.7	12	8.5	36	101
031120	06X0.75 RD	26.7	12	9.4	43.2	126
030943	07X0.75 RD	26.7	12	9.6	50.4	158
035547	12X0.75 RD	26.7	12	11.1	86.5	178
035548	18X0.75 RD	26.7	12	13.3	130	260
035549	25X0.75 RD	26.7	12	15.6	180	370
030676	03X1 RD	20	15	7.4	28.8	78
030682	04X1 RD	20	15	8	38.4	95
030944	05X1 RD	20	15	8.8	48	116
030678	07X1 RD	20	15	10	67.2	177
035895	12X1 RD	20	15	12.6	115.2	256
035104	16X1 RD	20	15	14.3	154	302
035896	18X1 RD	20	15	15.1	172.9	374
032872	20X1 RD	20	15	15.8	192	400
036093	25X1 RD	20	15	18.5	240	431
030680	03X1.5 RD	13.7	18	8	43.2	98
030665	04X1.5 RD	13.7	18	8.8	57.6	122
030711	05X1.5 RD	13.7	18	9.6	72	148
030800	07X1.5 RD	13.7	18	10.9	101	232
032635	08X1.5 RD	13.7	18	11.6	115.2	213
030791	12X1.5 RD	13.7	18	14.8	172.8	332
032625	18X1.5 RD	13.7	18	17.6	259.2	510
030945	20X1.5 RD	13.7	18	18.5	288	549
030946	24X1.5 RD	13.7	18	20.2	345.6	635
036094	25X1.5 RD	13.7	18	21	360	449
030664	03X2.5 RD	8.21	26	9.7	72	152
030674	04X2.5 RD	8.21	26	10.6	96	189
030691	05X2.5 RD	8.21	26	11.6	120	229
030766	07X2.5 RD	8.21	26	12.9	168	348
033890	12X2.5 RD	8.21	26	17.5	288	530
033511	16X2.5 RD	8.21	26	19.1	384	659
032636	19X2.5 RD	8.21	26	21.1	456	912
035899	21X2.5 RD	8.21	26	23	504	1008
032314	25X2.5 RD	8.21	26	25.7	600	1200
031126	03X4 RD	4.95	34	11.5	115	249

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
030668	04X4 RD	5.09	34	13	154	330
030696	05X4 RD	4.95	34	15	192	359
031127	07X4 RD	4.95	34	16.2	269	487
031129	03X6 RD	3.39	44	14.2	173	352
031130	04X6 RD	3.39	44	16.2	230	429
030690	05X6 RD	3.39	44	17.7	288	564
030951	07X6 RD	3.39	44	19.3	403	685
030708	04X10 RD	1.95	61	21.4	384	710
030707	04X16 RD	1.24	82	24	615	1014
031332	04X25 RD	0.795	108	29.3	960	1460
032880	04X35 RD	0.565	135	33	1344	2044
032847	04X50 RD	0.393	168	34	1920	2990
035844	04X70 RD	0.277	207	44.5	2688	3550
035845	04X95 RD	0.21	250	51	3648	4800
033749	05X10 RD	1.95	61	22.5	480	900
031611	05X16 RD	1.24	82	26.9	768	1206
036504	05X25 RD	0.795	108	29.2	1200	2029
035606	05X35 RD	0.565	135	36.7	1680	2850

SiHF-O

Nominal voltage U_o: 300 V

Nominal voltage U: 500 V

Test voltage: 2 kV

Protective conductor: no

part no.	part name	RI [Ohm/km]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
031179	02X0.75 RD	26.7	12	6.4	14.4	57
035149	03X0.75 RD	26.7	12	6.8	21.6	66
031180	02X1 RD	20	15	6.6	19.2	64
031181	02X1.5 RD	13.7	18	7.6	28.8	87
031182	02X2.5 RD	8.21	26	9.2	48	137
031183	02X4 RD	4.95	34	10.8	76.8	192
031184	02X6 RD	3.39	44	13.4	116	289

RI | Conductor resistance

I_{bl} | Ampacity in air (30 °C)

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000