

Heat resistant silicone wire SiF/GL



Conductor material:	tinned copper
Conductor class:	class 5 = fine stranded
Insulation:	silicone rubber
Covering:	laquered/impregnated glass fibre braid
Halogen-free:	DIN EN 50267/IEC 60754
Maximum permitted conductor temperature:	180 °C
Permitted outer cable temperature, fixed:	-60 - +180 °C
Bending radius, fixed installation:	15 x DA
Nominal voltage U₀:	300 V
Nominal voltage U:	500 V
Test voltage:	2 kV

Application: For operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.



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 SiF/GL

p/n	part name	R _l [Ω/km]	W _i [mm]	I _{bl} [A]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg/km]
034714	SiF/GL-O 01X0,25 WS			4		2,4	2,4	8
034715	SiF/GL-O 01X0,5 WS	40,1		6		2,6	5	12
034716	SiF/GL-O 01X0,75 WS	26,7		15		2,9	7,2	16
034717	SiF/GL-O 01X1 WS	20	0,8	19		3	9,6	18
034718	SiF/GL-O 01X1,5 WS	13,7	0,8	19		3,3	14,4	24
034719	SiF/GL-O 01X2,5 WS	8,21	0,9	32		3,9	24	35
034720	SiF/GL-O 01X4 WS	2,09	1	42	36	4,7	38,4	53
035047	SiF/GL-O 01X4 SW	5,09	1	42	36	4,7	38,4	53
032651	SiF/GL-O 01X6 WS	3,39	1	54	41	5,4	58	77
034721	SiF/GL-O 01X10 WS	1,95	1,2	73	57	7,6	96	129
034722	SiF/GL-O 01X16 WS	1,24	1,2	98	67	8,9	154	198
034723	SiF/GL-O 01X25 WS	0,795	1,4	129	82	10,9	240	303
034522	SiF/GL-O 01X35 WS	0,565	1,4	159	91	12,1	336	413
034724	SiF/GL-O 01X50 WS	0,393	1,6	198	108	14,4	480	578
033844	SiF/GL-O 01X70 WS	0,277	1,6	245	112	14,9	672	831
033845	SiF/GL-O 01X95 WS	0,21	1,8	292	138	18,4	912	1117
033846	SiF/GL-O 01X120 WS	0,164	1,8	344	146	19,4	1152	1410
033847	SiF/GL-O 01X150 WS	0,132	2	391	176	23,4	1440	1695

p/n	part name	R _l [Ω/km]	W _l [mm]	I _{bl} [A]	R _{bb} [mm]	D _A [mm]	Cu [kg/km]	G [kg/km]
033848	SiF/GL-O 01X185 WS	0,108	2,2	448	180	24	1776	2077
034725	SiF/GL-O 01X240 WS	0,082	2,4	528		26,9	2304	2498
035842	SiF/GL-O 01X300 WS					30,9	2880	3490

RI	Conductor resistance
Wi	Insulation wall thickness
Ibl	Ampacity in air (30 °C)
Rbb	Bending radius, moving application
DA	Outer diameter approx.
Cu	Copper weight (GER)
G	weight