

Silicone insulated wire

SiF



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.

Construction and technical data:

CPR-classification according to EN 50575:	on request
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	silicone rubber
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
Max. temperature at conductor, °C:	180 °C
Permitted outer cable temperature, fixed, °C:	-60 - +180 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	15 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.

SiF

Nominal voltage U₀:	300 V
Nominal voltage U:	500 V
Test voltage:	2 kV

part no.	part name	RI [Ohm/km]	Wi [mm]	I _{bl} [A]	Ø [mm]	Cu	G [kg]
031069	1X0.25 BU	82	0.5	4	1.8	2,4	5
031070	1X0.25 BK	82	0.5	4	1.8	2,4	5
031071	1X0.25 BN	82	0.5	4	1.8	2,4	5
031072	1X0.25 GY	82	0.5	4	1.8	2,4	5
031073	1X0.25 WH	82	0.5	4	1.8	2,4	5
031074	1X0.25 RD	82	0.5	4	1.8	2,4	5
031289	1X0.34 GN-YE	59	0.5	5	1.9	3,3	7
031290	1X0.34 BU	59	0.5	5	1.9	3,3	7

part no.	part name	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ø [mm]	Cu	G [kg]
031291	1X0.34 BK	59	0.5	5	1.9	3,3	7
031292	1X0.34 BN	59	0.5	5	1.9	3,3	7
031293	1X0.34 GY	59	0.5	5	1.9	3,3	7
031294	1X0.34 WH	59	0.5	5	1.9	3,3	7
031295	1X0.34 RD	59	0.5	5	1.9	3,3	7
031075	1X0.5 GN-YE	40.1	0.5	6	2.1	4,8	8
031076	1X0.5 BU	40.1	0.5	6	2.1	4,8	8
031077	1X0.5 BK	40.1	0.5	6	2.1	4,8	8
031078	1X0.5 BN	40.1	0.5	6	2.1	4,8	8
031079	1X0.5 GY	40.1	0.5	6	2.1	4,8	8
031080	1X0.5 WH	40.1	0.5	6	2.1	4,8	8
031081	1X0.5 RD	40.1	0.5	6	2.1	4,8	8
031082	1X0.75 GY	26.7	0.5	15	2.4	7,2	11
031083	1X0.75 WH	26.7	0.5	15	2.4	7,2	11
031084	1X0.75 RD	26.7	0.5	15	2.4	7,2	11
030993	1X0.75 BK	26.7	0.5	15	2.4	7,2	11
030992	1X0.75 BN	26.7	0.5	15	2.4	7,2	11
030991	1X0.75 BU	26.7	0.5	15	2.4	7,2	11
030990	1X0.75 GN-YE	26.7	0.5	15	2.4	7,2	11
030994	1X1 GN-YE	20	0.5	19	2.5	9,6	13
030997	1X1 BK	20	0.5	19	2.5	9,6	13
030996	1X1 BN	20	0.5	19	2.5	9,6	13
030995	1X1 BU	20	0.5	19	2.5	9,6	13
031085	1X1 GY	20	0.5	19	2.5	9,6	13
031086	1X1 WH	20	0.5	19	2.5	9,6	13
031087	1X1 RD	20	0.5	19	2.5	9,6	13
030999	1X1.5 BU	13.7	0.6	24	2.8	14,4	20
030998	1X1.5 GN-YE	13.7	0.6	24	2.8	14,4	20
030972	1X1.5 RD	13.7	0.6	24	2.8	14,4	20
030971	1X1.5 BN	13.7	0.6	24	2.8	14,4	20
030970	1X1.5 BK	13.7	0.6	24	2.8	14,4	20
031088	1X1.5 GY	13.7	0.6	24	2.8	14,4	20
031089	1X1.5 WH	13.7	0.6	24	2.8	14,4	20
031090	1X2.5 GN-YE	8.21	0.65	32	3.4	24	32
031091	1X2.5 BU	8.21	0.65	32	3.4	24	32
030967	1X2.5 BK	8.21	0.65	32	3.4	24	32
030968	1X2.5 RD	8.21	0.65	32	3.4	24	32
030969	1X2.5 BN	8.21	0.65	32	3.4	24	32
031092	1X2.5 GY	8.21	0.65	32	3.4	24	32
031093	1X2.5 WH	8.21	0.65	32	3.4	24	32
031094	1X4 GN-YE	5.09	0.74	42	4.2	38,4	48
031095	1X4 BU	5.09	0.74	42	4.2	38,4	48
031096	1X4 BK	5.09	0.74	42	4.2	38,4	48
031097	1X4 BN	5.09	0.74	42	4.2	38,4	48
031098	1X4 GY	5.09	0.74	42	4.2	38,4	48
031099	1X4 WH	5.09	0.74	42	4.2	38,4	48
031100	1X4 RD	5.09	0.74	42	4.2	38,4	48
031101	1X6 GN-YE	3.39	0.8	54	5.2	57,6	71
031102	1X6 BU	3.39	0.8	54	5.2	57,6	71
031103	1X6 BK	3.39	0.8	54	5.2	57,6	71
031104	1X6 BN	3.39	0.8	54	5.2	57,6	71
031105	1X6 GY	3.39	0.8	54	5.2	57,6	71
031106	1X6 WH	3.39	0.8	54	5.2	57,6	71
031107	1X6 RD	3.39	0.8	54	5.2	57,6	71
032021	1X10 BU	1.95	1	73	6.3	96	124

part no.	part name	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ø [mm]	Cu	G [kg]
032022	1X10 BN	1.95	1	73	6.3	96	124
031108	1X10 BK	1.95	1	73	6.3	96	124
031109	1X10 GN-YE	1.95	1	73	6.3	96	124
032025	1X10 WH	1.95	1	73	6.3	96	124
031115	1X16 BK	1.24	1	98	8	153,6	188
031112	1X25 BK	0.795	1.2	129	9.9	240	296
031114	1X35 BK	0.565	1.2	158	11.2	336	400
031116	1X35 GN-YE	0.565	1.2	158	11.2	336	400
031117	1X50 BK	0.393	1.4	198	13.8	480	570
030963	1X70 BK	0.277	1.4	245	14.8	672	766
031118	1X95 BK	0.21	1.6	292	18.2	912	1030
031119	1X120 BK	0.164	1.6	344	18.8	1152	1300
031281	1X150 BK	0.132	1.8	391	20.8	1440	1563
031288	1X185 BK	0.108	2	448	23.3	1776	1915
032108	1X240 BK	0.082	2.2	528	26.1	2304	2440
032109	1X300 BK	0.065	2.4	608	28.9	2880	3100

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