

Silicone insulated wire

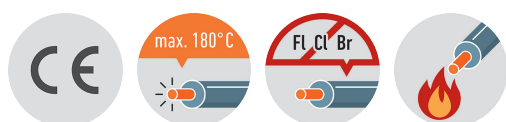
SiF



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: | 3 x Ø |
| Bending radius, moving application: | 6 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 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031070 | 1X0.25 BK | 82 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031071 | 1X0.25 BN | 82 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031072 | 1X0.25 GY | 82 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031073 | 1X0.25 WH | 82 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031074 | 1X0.25 RD | 82 | 0.45 | 4 | 1.8 | 2.4 | 5.5 |
| 031289 | 1X0.34 GN-YE | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031290 | 1X0.34 BU | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |

| part no. | part name | RI [Ohm/km] | Wi [mm] | Ibl [A] | Ø [mm] | Cu | G [kg] |
|----------|--------------|-------------|---------|---------|--------|------|--------|
| 031291 | 1X0.34 BK | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031292 | 1X0.34 BN | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031293 | 1X0.34 GY | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031294 | 1X0.34 WH | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031295 | 1X0.34 RD | 59 | 0.45 | 5 | 1.9 | 3.3 | 7.1 |
| 031075 | 1X0.5 GN-YE | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031076 | 1X0.5 BU | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031077 | 1X0.5 BK | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031078 | 1X0.5 BN | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031079 | 1X0.5 GY | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031080 | 1X0.5 WH | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 031081 | 1X0.5 RD | 40.1 | 0.5 | 6 | 2.1 | 4.8 | 8.6 |
| 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 | 13.6 |
| 030997 | 1X1 BK | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 030996 | 1X1 BN | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 030995 | 1X1 BU | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 031085 | 1X1 GY | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 031086 | 1X1 WH | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 031087 | 1X1 RD | 20 | 0.5 | 19 | 2.5 | 9.6 | 13.6 |
| 030999 | 1X1.5 BU | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 030998 | 1X1.5 GN-YE | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 030972 | 1X1.5 RD | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 030971 | 1X1.5 BN | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 030970 | 1X1.5 BK | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 031088 | 1X1.5 GY | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 031089 | 1X1.5 WH | 13.7 | 0.6 | 24 | 2.8 | 14.4 | 20.3 |
| 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 | 48.5 |
| 031095 | 1X4 BU | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 031096 | 1X4 BK | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 031097 | 1X4 BN | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 031098 | 1X4 GY | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 031099 | 1X4 WH | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 031100 | 1X4 RD | 5.09 | 0.74 | 42 | 4.2 | 38.4 | 48.5 |
| 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 |
| 031111 | 1X16 GN-YE | 1.24 | 1 | 98 | 8 | 153.6 | 188 |
| 031112 | 1X25 BK | 0.795 | 1.2 | 129 | 9.9 | 240 | 296 |
| 031113 | 1X25 GN-YE | 0.795 | 1.2 | 129 | 9.9 | 240 | 296 |
| 038289 | 1X25 RD | 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 |

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|-----|---------------------------|
| 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 |