

# SIA

## Solid silicone wire



## APPLICATION

For wiring lights and switchgears. Used in areas where temperature fluctuations cause conventional PVC-insulated cables to become brittle or cracked. Single-core cables are used in smelting works, steelworks and rolling mills, in coking plants, foundries, cement, glass and ceramics factories, in the electric motor industry, in ships and aircraft and in heating appliances and light fittings. They are resistant to vegetable and animal fats, many oils and diluted acids. The insulation is protected against humidity and resistant to oxygen and ozone. One outstanding property is the high flashpoint. If the cable sets on fire, an insulating layer of silicone dioxide remains on the conductor to prevent a short circuit.

## STRUCTURE

<b>Conductor</b>	Solid copper conductor, tin plated
<b>Cores</b>	Insulation: silicone rubber

## TECHNICAL DATA

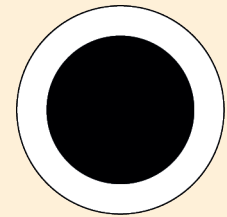
<b>Nominal voltage</b>	500 V
<b>Test voltage</b>	2000 V
<b>Temperature range</b>	-60°C to + 180°C

### TESTS ACCORDING TO DIN VDE 0472 AND IEC:

<b>Flammability</b>	No fire propagation
<b>Halogen-free nature</b>	According to VDE 0472

RoHS

## CROSS SECTION



## SPECIAL FEATURES

**Properties**  
Halogen free  
Tin-plated copper

Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number	Colour code
SIA 0.5	Blue		4.8	2.0	7.5	7110501	-115
SIA 0.5	Brown		4.8	2.0	7.5	7110501	-105
SIA 0.5	Green/yellow		4.8	2.0	7.5	7110501	-101
SIA 0.5	Black		4.8	2.0	7.5	7110501	-100
SIA 0.5	Red		4.8	2.0	7.5	7110501	-103
SIA 0.75	Blue		7.2	2.2	10.2	7110702	-115
SIA 0.75	Brown		7.2	2.2	10.2	7110702	-105
SIA 0.75	Green/yellow		7.2	2.2	10.2	7110702	-101
SIA 0.75	Black		7.2	2.2	10.2	7110702	-100
SIA 0.75	Red		7.2	2.2	10.2	7110702	-103
SIA 1.0	Blue		9.6	2.4	12.6	7111001	-115
SIA 1.0	Brown		9.6	2.4	12.6	7111001	-105
SIA 1.0	Green/yellow		9.6	2.4	12.6	7111001	-101
SIA 1.0	Black		9.6	2.4	12.6	7111001	-100
SIA 1.0	Red		9.6	2.4	12.6	7111001	-103
SIA 1.5	Blue		14.4	2.6	18.1	7111501	-115
SIA 1.5	Brown		14.4	2.6	18.1	7111501	-105
SIA 1.5	Green/yellow		14.4	2.6	18.1	7111501	-101
SIA 1.5	Black		14.4	2.6	18.1	7111501	-100
SIA 1.5	Red		14.4	2.6	18.1	7111501	-103
SIA 2.5	Blue		24.0	3.2	28.7	7112501	-115
SIA 2.5	Brown		24.0	3.2	28.7	7112501	-105
SIA 2.5	Green/yellow		24.0	3.2	28.7	7112501	-101
SIA 2.5	Black		24.0	3.2	28.7	7112501	-100
SIA 2.5	Red		24.0	3.2	28.7	7112501	-103
SIA 4.0	Blue		38.4	3.9	45.2	7114001	-115
SIA 4.0	Brown		38.4	3.9	45.2	7114001	-105
SIA 4.0	Green/yellow		38.4	3.9	45.2	7114001	-101
SIA 4.0	Black		38.4	3.9	45.2	7114001	-100
SIA 4.0	Red		38.4	3.9	45.2	7114001	-103