

SIAF

Flexible silicon wire



APPLICATION

For wiring lights and switchgears. Used in areas where temperature fluctuations cause conventional PVC-insulated cables to become brittle or cracked. 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

Conductor	Flexible copper conductor, tin plated, according to VDE 0295
Cores	Silicone rubber insulation

TECHNICAL DATA

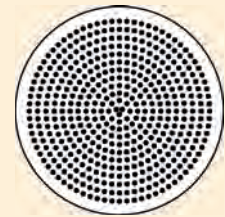
Nominal voltage	500 V
Test voltage	2000 V
Temperature range	-60°C to + 180°C

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	No fire propagation
Halogen-free nature	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
SIAF 0.5 Black	4.8	2.1	8.5	7100501	-100
SIAF 0.5 Green/yellow	4.8	2.1	8.5	7100501	-101
SIAF 0.5 White	4.8	2.1	8.5	7100501	-102
SIAF 0.5 Red	4.8	2.1	8.5	7100501	-103
SIAF 0.5 Brown	4.8	2.1	8.5	7100501	-105
SIAF 0.5 Blue	4.8	2.1	8.5	7100501	-115
SIAF 0.75 Black	7.2	2.4	11.8	7100701	-100
SIAF 0.75 Green/yellow	7.2	2.4	11.8	7100701	-101
SIAF 0.75 White	7.2	2.4	11.8	7100701	-102
SIAF 0.75 Red	7.2	2.4	11.8	7100701	-103
SIAF 0.75 Brown	7.2	2.4	11.8	7100701	-105
SIAF 0.75 Blue	7.2	2.4	11.8	7100701	-115
SIAF 1.0 Black	9.6	2.5	13.5	7101001	-100
SIAF 1.0 Green/yellow	9.6	2.5	13.5	7101001	-101
SIAF 1.0 White	9.6	2.5	13.5	7101001	-102
SIAF 1.0 Red	9.6	2.5	13.5	7101001	-103
SIAF 1.0 Brown	9.6	2.5	13.5	7101001	-105
SIAF 1.0 Blue	9.6	2.5	13.5	7101001	-115
SIAF 1.5 Black	14.4	2.8	18.5	7101501	-100
SIAF 1.5 Green/yellow	14.4	2.8	18.5	7101501	-101
SIAF 1.5 White	14.4	2.8	18.5	7101501	-102
SIAF 1.5 Red	14.4	2.8	18.5	7101501	-103
SIAF 1.5 Brown	14.4	2.8	18.5	7101501	-105
SIAF 1.5 Blue	14.4	2.8	18.5	7101501	-115
SIAF 2.5 Black	24.0	3.4	30.0	7102501	-100
SIAF 2.5 Green/yellow	24.0	3.4	30.0	7102501	-101
SIAF 2.5 White	24.0	3.4	30.0	7102501	-102
SIAF 2.5 Red	24.0	3.4	30.0	7102501	-103
SIAF 2.5 Brown	24.0	3.4	30.0	7102501	-105
SIAF 2.5 Blue	24.0	3.4	30.0	7102501	-115
SIAF 4.0 Black	38.4	4.2	47.3	7104001	-100
SIAF 4.0 Green/yellow	38.4	4.2	47.3	7104001	-101
SIAF 4.0 White	38.4	4.2	47.3	7104001	-102
SIAF 4.0 Red	38.4	4.2	47.3	7104001	-103
SIAF 4.0 Brown	38.4	4.2	47.3	7104001	-105
SIAF 4.0 Blue	38.4	4.2	47.3	7104001	-115
SIAF 6.0 Black	57.6	5.2	71.2	7106001	-100
SIAF 6.0 Green/yellow	57.6	5.2	71.2	7106001	-101
SIAF 6.0 White	57.6	5.2	71.2	7106001	-102
SIAF 6.0 Red	57.6	5.2	71.2	7106001	-103
SIAF 6.0 Brown	57.6	5.2	71.2	7106001	-105
SIAF 6.0 Blue	57.6	5.2	71.2	7106001	-115