

Treoflex SiF / SiFF / SiF/GL silicone single cores, halogen-free



Technical data

- Special-silicone single core with higher heat-resistance range adapted to DIN VDE 0250 Teil 1 and part 502 Temperature range -60°C to +180°C (up to +220°C for short time)
- Temperature limit at the conductor in operation +180°C
- Nominal voltage U0/U 300/500 V Test voltage 2000 V
- Breakdown voltage min. 5000 V
- Minimum bending radius 15x cable Ø

Cable structure

Type SiF

- Tinned copper conductors stranding according to VDE 0295 class 5
- Silicone core insulation

Type SiFF

- as SiFF but with super fine strands of tinned copper wire
- Strand make-up
0,25 to 1,0 mm² - class 6 col. 7 (single wire Ø 0,05 mm)
1,5 to 10 mm² - class 6 col. 6 (single wire Ø 0,07 mm)

Type SiF/GL

- as SiF but with glass fibre braiding
- fine strands of tinned copper wire
- glass fibre braiding

Properties

• Resistant to

- High molecular oils, fats from vegetables and animals, alcohols, plasticisers and clophenes, diluted acids, lyes and salt dissolution, oxidation substances
- Halogen-free
- Oxygen & ozone

Application

Special cables for use in high and low temperature areas. They are used mainly in the steel producing industries, hot rolling mills, cooking plants, foundaries, cement, glass and ceramic factories. As these cables are halogen-free, they are especially suited for use in power stations. Suitable where PVC insulated cables become brittle due to high temperatures.

SiF				
Part Number	No. of cores x cross-sec. mm ²	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA42.0002.01.xx	0.25	1.9	2.4	5.5
TA42.0005.01.xx	0.5	2.1	4.8	8.6
TA42.0007.01.xx	0.75	2.4	7.2	11.8
TA42.0010.01.xx	1	2.5	9.6	13.5
TA42.0015.01.xx	1.5	2.8	14.4	18.5
TA42.0025.01.xx	2.5	3.4	24	30
TA42.0040.01.xx	4	4.2	38	47.3
TA42.0060.01.xx	6	5.2	58	71.1
TA42.0100.01.xx	10	7	96	119.4
TA42.0160.01.xx	16	8.4	154	187.7
TA42.0250.01.xx	25	10.3	240	289.6

SiF/GL				
Part Number	No. of cores x cross-sec. mm ²	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA44.0005.01	0.5	2.6	4.8	13
TA44.0007.01	0.75	2.9	7.2	16
TA44.0010.01	1	3	9.6	18
TA44.0015.01	1.5	3.3	14.4	24
TA44.0025.01	2.5	3.9	24	37
TA44.0040.01	4	4.7	38.4	53
TA44.0060.01	6	5.4	58	77.4
TA44.0100.01	10	7.6	96	129
TA44.0160.01	16	8.9	154	199
TA44.0250.01	25	10.9	240	303

SiFF				
Part Number	No. of cores x cross-sec. mm ²	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA43.0005.01.xx	0.5	2.1	4.8	10
TA43.0007.01.xx	0.75	2.5	7.2	13
TA43.0010.01.xx	1	2.7	9.6	15
TA43.0015.01.xx	1.5	3	14.4	19
TA43.0025.01.xx	2.5	3.8	24	32
TA43.0040.01.xx	4	4.6	38	50
TA43.0060.01.xx	6	5.7	58	73
TA43.0100.01.xx	10	7.6	96	125

Note: Please complete the part number for these cables by adding the below suffix for the colour required as per the list:

BK = Black
BE = Blue
BN = Brown
GW = Green/Yellow.
GY = Grey

OE = Orange
PK = Pink
RD = Red
VT = Violet
WE = White