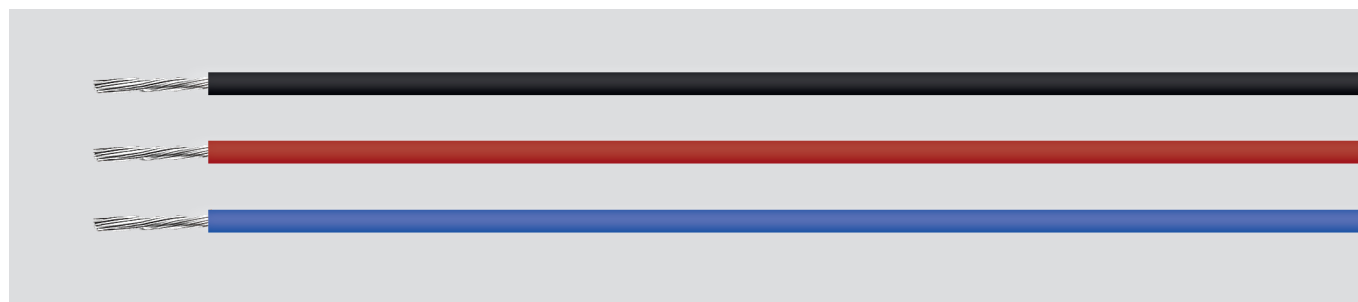


# SiFF

Silicone single core, high flexible, halogen-free



### Technical data

- Silicone single core with higher heat-resistance range adapted to DIN VDE 0250-1 and -502
- **Temperatue range**  
flexing -25°C to +180°C  
fixed installation -60°C to +180°C
- Permissible conductor **operating temperature** +180°C
- **Nominal voltage**  
U<sub>0</sub>/U 300/500 V
- **Test voltage**  
2000 V
- **Breakdown voltage**  
min. 5000 V
- **Minimum bending radius**  
flexing 12,5x outer Ø  
fixed installation 5x outer Ø

### Cable structure

- Tinned copper conductor, extra fine wire, from 0,5 mm<sup>2</sup> acc. to DIN VDE 0295 cl.6 / IEC 60228 cl.6 (single wire Ø 0,07 mm)
- Conductor construction: 0,25 mm<sup>2</sup> = app. 65x0,07 mm
- Core insulation of silicone

### Tests

- Halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- Corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- Flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

### Properties

- **Resistant to**  
high molecular oils, fats from vegetables and animals, alcohols, plasticizers and clophenes, diluted acids, lyes and salt dissolution, oxidation substances, lake water, oxygen, ozone
- High flash points
- For laying as a fixed installation only in open or ventilated pipe systems as well as in ducts. Otherwise the mechanical properties of the silicone are reduced by the enclosed air at temperatures exceeding 90°C.

### Application

Special single cores for use in high, resp. low temperature areas. They are used mainly in the steel producing industries, in aviation industries as well as in ship building, cement, gas and ceramic factories.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

| Cross-sec. mm <sup>2</sup> | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | BK    | BU    | BN    | RD    | WH    | GY    | VT    | YE    | PK    | GN    | OG    | BEIGE | TRANS | 2-col. |
|----------------------------|-----------------|---------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Part no. 0,25              | 1,8             | 2,4                 | 6,0                 | 45101 | 45103 | 45104 | 45102 | 45105 | 45106 | 45107 | 45108 | 45111 | 45100 | 45109 | 45112 | 45110 | 45113  |
| Part no. 0,5               | 2,2             | 4,8                 | 10,0                | 45201 | 45203 | 45204 | 45202 | 45205 | 45206 | 45207 | 45208 | 45211 | 45200 | 45209 | 45212 | 45210 | 45213  |
| Part no. 0,75              | 2,5             | 7,2                 | 13,0                | 45301 | 45303 | 45304 | 45302 | 45305 | 45306 | 45307 | 45308 | 45311 | 45300 | 45309 | 45312 | 45310 | 45313  |
| Part no. 1                 | 2,6             | 9,6                 | 15,0                | 45401 | 45403 | 45404 | 45402 | 45405 | 45406 | 45407 | 45408 | 45411 | 45400 | 45409 | 45412 | 45410 | 45413  |
| Part no. 1,5               | 2,9             | 14,4                | 19,0                | 45501 | 45503 | 45504 | 45502 | 45505 | 45506 | 45507 | 45508 | 45511 | 45500 | 45509 | 45512 | 45510 | 45513  |
| Part no. 2,5               | 3,5             | 24,0                | 32,0                | 45601 | 45603 | 45604 | 45602 | 45605 | 45606 | 45607 | 45608 | 45611 | 45600 | 45609 | 45612 | 45610 | 45613  |
| Part no. 4                 | 4,4             | 38,0                | 50,0                | 45701 | 45703 | 45704 | 45702 | 45705 | 45706 | 45707 | 45708 | 45711 | 45700 | 45709 | 45712 | 45710 | 45713  |
| Part no. 6                 | 5,2             | 58,0                | 73,0                | 45801 | 45803 | 45804 | 45802 | 45805 | 45806 | 45807 | 45808 | 45811 | 45800 | 45809 | 45812 | 45810 | 45813  |
| Part no. 10                | 6,8             | 96,0                | 125,0               | 45901 | 45903 | 45904 | 45902 | 45905 | 45906 | 45907 | 45908 | 45911 | 45900 | 45909 | 45912 | 45910 | 45913  |

Dimensions and specifications may be changed without prior notice. (RK01)