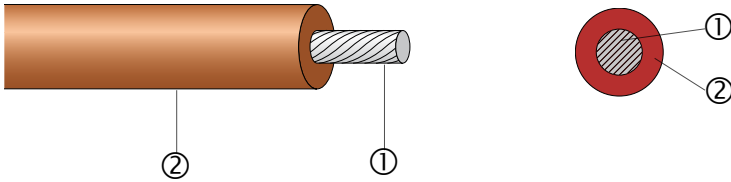


RADOX® 155

Flexible single core



- Excellent high and low temperature and ozone resistance
- Weatherproof
- Easy to process
- High resistance to heat pressure
- High abrasion resistance
- Soldering resistant
- Flexible
- Resistant to impregnation resins and varnishes

Application

Protected and fixed installation inside electrical equipment, especially suitable for the connection of motor windings, switchboards, magnets and transformers.

Composition of cable

- ① Conductor
- ② Insulation

Core colours

stranded tin plated copper, acc. to EN 60228, class 5
RADOX 155
extruded and electron beam crosslinked polyolefin copolymer
various, on request

Technical data

| | | |
|------------------------|--------------------------|-------------------|
| Voltage rating U_0/U | $\leq 0.50 \text{ mm}^2$ | 450/750 V AC |
| Test voltage | $\leq 0.50 \text{ mm}^2$ | 2500 V AC |
| Voltage rating U_0/U | $> 0.50 \text{ mm}^2$ | 600/1000 V AC |
| Test voltage | $> 0.50 \text{ mm}^2$ | 3500 V AC |
| Temperature range | | -55 up to +155 °C |

RADOX® 155

Flexible single core

Extract from our delivery programme

| Cross section | Conductor | | | Core | Weight | Bending radius |
|----------------------|-------------------------------|--------------|-------------------------------------|-------------|---------------|----------------|
| nom. mm ² | Construction nom. n × mm dia. | Dia. max. mm | R ₂₀ IEC 60228 max. Ω/km | Dia. mm | nom. kg/100 m | min. |
| 0.25 | 19 × 0.13 | 0.6 | 86.0 | 1.45 ± 0.05 | 0.4 | 3 × dia. |
| 0.34 | 19 × 0.16 | 0.8 | 53.1 | 1.60 ± 0.10 | 0.5 | 3 × dia. |
| 0.50 | 19 × 0.18 | 0.9 | 40.1 | 1.71 ± 0.10 | 0.7 | 3 × dia. |
| 0.75 | 24 × 0.20 | 1.15 | 26.7 | 2.25 ± 0.10 | 1.1 | 3 × dia. |
| 1.0 | 32 × 0.20 | 1.3 | 20.0 | 2.50 ± 0.10 | 1.5 | 3 × dia. |
| 1.5 | 30 × 0.25 | 1.55 | 13.7 | 2.85 ± 0.10 | 1.9 | 3 × dia. |
| 2.5 | 48 × 0.25 | 2.05 | 8.21 | 3.50 ± 0.10 | 3.0 | 3 × dia. |
| 4.0 | 56 × 0.30 | 2.6 | 5.09 | 4.20 ± 0.15 | 4.5 | 3 × dia. |
| 6.0 | 82 × 0.30 | 3.0 | 3.39 | 5.0 ± 0.15 | 6.5 | 3 × dia. |
| 10 | 78 × 0.40 | 3.9 | 1.95 | 6.4 ± 0.15 | 11 | 3 × dia. |
| 16 | 119 × 0.40 | 5.4 | 1.24 | 7.6 ± 0.15 | 16.5 | 3 × dia. |
| 25 | 182 × 0.40 | 6.7 | 0.795 | 9.2 ± 0.2 | 25 | 3 × dia. |
| 35 | 266 × 0.40 | 7.9 | 0.565 | 10.7 ± 0.3 | 36.3 | 3 × dia. |
| 50 | 378 × 0.40 | 9.4 | 0.393 | 12.3 ± 0.3 | 50 | 4 × dia. |
| 70 | 348 × 0.50 | 11.5 | 0.277 | 14.6 ± 0.3 | 68 | 4 × dia. |
| 95 | 444 × 0.50 | 13.0 | 0.210 | 16.4 ± 0.3 | 89 | 4 × dia. |
| 120 | 570 × 0.50 | 15.4 | 0.164 | 18.5 ± 0.3 | 110 | 4 × dia. |
| 150 | 722 × 0.50 | 17.0 | 0.132 | 20.8 ± 0.3 | 142 | 4 × dia. |
| 185 | 874 × 0.50 | 18.5 | 0.108 | 22.7 ± 0.3 | 171 | 4 × dia. |
| 240 | 1147 × 0.50 | 21.3 | 0.0817 | 26.1 ± 0.4 | 225 | 4 × dia. |

Various colours on request.