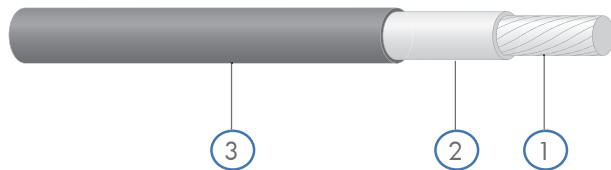


RADOX® 4 GKW-AX 1800V M

single core

| | | | |
|----------------------|---------------------------|-------------------|-------------------|
| Conductor | EN 60228, class 5 | Voltage rating | 1800/3000V AC |
| Number of conductors | 1 | | 2700/4500V DC |
| Cross section | 0.5 - 400 mm ² | Temperature range | -40 °C to +120 °C |



Composition of core

| | |
|---------------|-----------------------------|
| 1. Conductor | stranded tin plated copper |
| 2. Insulation | RADOX EI 110, colour: white |
| 3. Sheath | RADOX EI 109, colour: black |

Characteristics and specialities

- Fully meet the requirements of material level M according to EN 50264-1
 - extra low temperature
 - extra oil resistant
 - extra fuel resistance
- Resistance to ozone and weathering
- Large product range

Application

- For protected connections of fixed and sporadic moving parts inside and outside of rolling stock.
- Guidelines for selections and the installation are described in the standards EN 50355 and EN50343.

Standards

| Standard | Fire protection on railway vehicles | |
|-----------------|-------------------------------------|---|
| BS 6853 | category | int. Ia, Ib, II / ext. Ia, Ib, II |
| prEN 45545-2 | | |
| DIN 5510-2 | protection level | 1, 2, 3, 4 |
| NFF 16-101 | class, category | C / FO, int. A1, A2, B / ext. A1, A2, B |
| UNI CEI 11170-3 | | |

For further technical details please refer to our data sheet.

RADOX® 4 GKW-AX 1800V M

single core

| Cross section mm ² | Conductor | | Core | Conductor resistance | Capacitance | Fire load | Weight | | Item no. |
|----------------------------------|------------------------|---------|-------------|------------------------------|--------------------------|--------------|--------------------|-------------------|----------|
| | construction n x mm | d mm | d mm | R ₂₀ max. Ω/km | CH ₂₀ pF/m | nom. kJ/m | copper kg/100 m | cable kg/100 m | |
| 0.5 | 19 x 0.18 | 0.90 | 2.45 ± 0.05 | 38.5 | 236 | 91 | 0.40 | 1.10 | 12547128 |
| 0.75 | 24 x 0.20 | 1.10 | 2.65 ± 0.05 | 26.7 | 276 | 102 | 0.70 | 1.4 | 12548299 |
| 1 | 37 x 0.18 | 1.20 | 3.00 ± 0.05 | 20.0 | 266 | 132 | 0.90 | 1.8 | 12555986 |
| 1.5 | 37 x 0.23 | 1.50 | 3.55 ± 0.10 | 13.7 | 307 | 157 | 1.4 | 2.5 | 12536686 |
| 2.5 | 61 x 0.23 | 1.95 | 3.75 ± 0.10 | 8.21 | 343 | 205 | 2.2 | 3.6 | 12536692 |
| 4 | 61 x 0.29 | 2.40 | 4.50 ± 0.10 | 5.09 | 396 | 257 | 3.5 | 5.2 | 12536694 |
| 6 | 84 x 0.30 | 2.95 | 5.20 ± 0.15 | 3.39 | 419 | 334 | 5.2 | 7.4 | 12536696 |
| 10 | 80 x 0.40 | 3.90 | 6.40 ± 0.15 | 1.95 | 488 | 467 | 9.1 | 12 | 12545527 |
| 16 | 119 x 0.40 | 5.30 | 8.40 ± 0.20 | 1.24 | 535 | 801 | 13 | 19 | 12545528 |
| 25 | 182 x 0.40 | 6.60 | 10.2 ± 0.30 | 0.795 | 565 | 1125 | 21 | 28 | 12545529 |
| 35 | 266 x 0.40 | 7.80 | 11.7 ± 0.30 | 0.565 | 607 | 1457 | 30 | 40 | 12545530 |
| 50 | 378 x 0.40 | 9.30 | 13.5 ± 0.30 | 0.393 | 660 | 1737 | 43 | 54 | 12545531 |
| 70 | 348 x 0.50 | 11.4 | 15.8 ± 0.30 | 0.277 | 755 | 2178 | 61 | 75 | 12545532 |
| 95 | 444 x 0.50 | 12.8 | 17.5 ± 0.30 | 0.210 | 808 | 2549 | 78 | 95 | 12545533 |
| 120 | 570 x 0.50 | 14.9 | 19.8 ± 0.30 | 0.164 | 862 | 3118 | 100 | 120 | 12544522 |
| 150 | 722 x 0.50 | 16.8 | 22.1 ± 0.30 | 0.132 | 894 | 3474 | 127 | 150 | 12545534 |
| 185 | 874 x 0.50 | 18.3 | 24.0 ± 0.30 | 0.108 | 903 | 4432 | 153 | 182 | 12544523 |
| 240 | 1147 x 0.50 | 21.1 | 27.0 ± 0.30 | 0.0817 | 994 | 5225 | 201 | 235 | 12547684 |
| 300 | 1443 x 0.50 | 23.7 | 29.9 ± 0.30 | 0.0654 | 1060 | 6106 | 251 | 291 | 12552906 |
| 400 | 2016 x 0.50 | 29.1 | 34.1 ± 0.50 | 0.0495 | 1115 | 7639 | 342 | 392 | 12555997 |

Capacity in water, typical value.

Other colours on request.