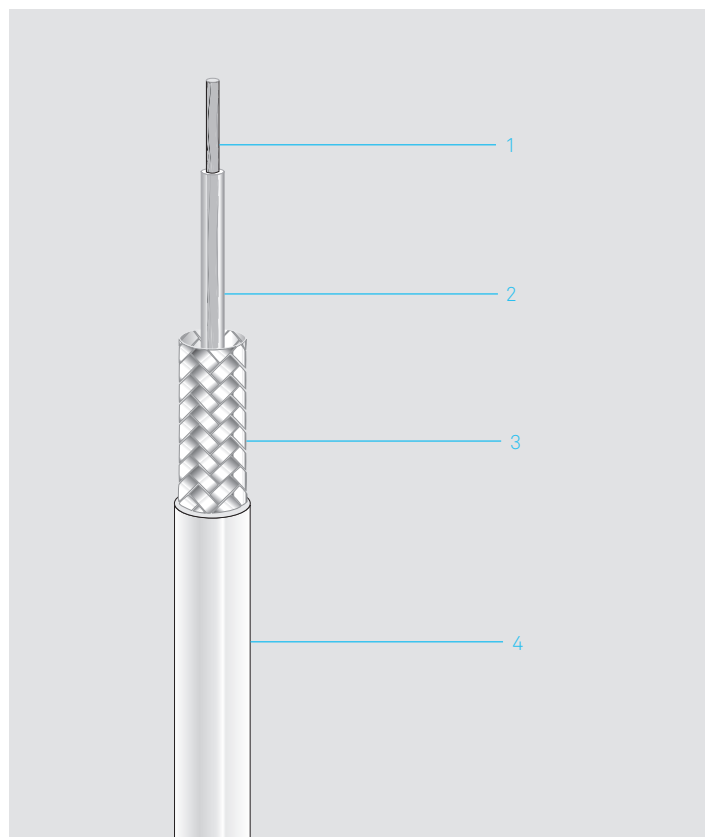


EKL medium

Flexible single-core plastic-insulated heating cable



| | |
|---|-----------------------|
| 1 | Heat conductor |
| 2 | PFA insulation |
| 3 | Protective braid |
| 4 | Protective PFA sleeve |

- Constant power output per meter
- Steam purging resistant, high chemical resistance
- ATEX approved according to EN 60079
- Suitable for use in hazardous areas (4 J impact resistance)

EKL medium is an extremely flexible heating cable with a fixed specific resistance. Thanks to its small outer dimensions, the heating cable can be easily installed even on irregularly objects such as pumps, valves and flanges. The heating cable can be easily tailored on sites and made even easier by the imprinted metre markings.

Explosion protection

| | |
|--|-------------------------------|
| Marking | ⊕ II 2G Ex 60079-30-1 IIC Gb |
| | ⊕ II 2D Ex 60079-30-1 IIIC Db |
| Certification | KEMA 10 ATEX 0035 U |
| | IECEX KEM 10.0011U |
| Other approvals and certificates, see bartec.com | |

Technical data

| | |
|-------------------------------------|---|
| Nominal voltage (U ₀ /U) | 450 V/750 V |
| Test voltage | 2.5 kV (lead/braid) |
| Protective braid resistance | < 18.0 Ω/km |
| Operating temperature | -60 °C to +260 °C |
| Min. installation temperature | -60 °C |
| Min. bending radius | 15 mm, 25 mm for 1R08 and 1R71 |
| Shock resistance | 4 Joule (in conformance to EN 60079) |

Ordering information

| Description | Nominal resistance at 20 °C in Ω /km | Outside diameter (mm) | Order no. |
|--------------------|---|-----------------------|------------------|
| EKL medium | | | |
| 1R08 ¹⁾ | 1.08 | 10.20 | 27-5821-756K1R08 |
| 1R71 ¹⁾ | 1.71 | 8.60 | 27-5821-756K1R71 |
| 02R9 ¹⁾ | 2.9 | 7.60 | 27-5821-756K02R9 |
| 04R4 ¹⁾ | 4.4 | 6.70 | 27-5821-756K04R4 |
| 07R2 | 7.2 | 4.94 | 27-5821-756G07R2 |
| 0010 | 10 | 4.75 | 27-5821-756G0010 |
| 11R7 | 11.7 | 4.60 | 27-5821-756G11R7 |
| 0015 | 15 | 4.42 | 27-5821-756G0015 |
| 17R8 | 17.8 | 4.30 | 27-5821-756G17R8 |
| 0025 | 25 | 4.27 | 27-5822-756G0025 |
| 31R5 | 31.5 | 4.59 | 27-5822-756G31R5 |
| 0040 | 40 | 4.40 | 27-5822-756G0040 |
| 0050 | 50 | 4.27 | 27-5822-756G0050 |
| 0065 | 65 | 4.11 | 27-5822-756G0065 |
| 0080 | 80 | 4.01 | 27-5822-756G0080 |
| 0100 | 100 | 3.90 | 27-5822-756G0100 |
| 0150 | 150 | 4.27 | 27-5822-756G0150 |
| 0180 | 180 | 3.96 | 27-5822-756G0180 |
| 0200 | 200 | 4.10 | 27-5822-756G0200 |
| 0250 | 250 | 3.80 | 27-5822-756G0250 |

| Description | Nominal resistance at 20 °C in Ω /km | Outside diameter (mm) | Order no. |
|-------------|---|-----------------------|------------------|
| EKL medium | | | |
| 0320 | 320 | 4.23 | 27-5826-756G0320 |
| 0360 | 360 | 4.10 | 27-5822-756G0360 |
| 0380 | 380 | 4.06 | 27-5826-756G0380 |
| 0480 | 480 | 4.03 | 27-5826-756G0480 |
| 0600 | 600 | 3.99 | 27-5826-756G0600 |
| 0650 | 650 | 3.95 | 27-5826-756G0650 |
| 0700 | 700 | 3.92 | 27-5826-756G0700 |
| 0810 | 810 | 3.88 | 27-5822-756G0810 |
| 1000 | 1000 | 3.89 | 27-5822-756G1000 |
| 1440 | 1440 | 3.74 | 27-5822-756G1440 |
| 1750 | 1750 | 3.67 | 27-5822-756G1750 |
| 2000 | 2000 | 3.92 | 27-5824-756G2000 |
| 3000 | 3000 | 3.75 | 27-5824-756G3000 |
| 4000 | 4000 | 3.65 | 27-5824-756G4000 |
| 4400 | 4400 | 3.63 | 27-5824-756G4400 |
| 5160 | 5160 | 3.59 | 27-5824-756G5160 |
| 5600 | 5600 | 3.56 | 27-5824-756G5600 |
| 6000 | 6000 | 3.55 | 27-5824-756G6000 |
| 7000 | 7000 | 3.50 | 27-5824-756G7000 |
| 8000 | 8000 | 3.47 | 27-5824-756G8000 |

1) exclusive disponible en EKL premium

Note: The delivery length depends on the resistance value and is basically limited to a weight of 120 kg/coil or a running length of approx. 1000 m. For practical and safe handling on site, it is strongly recommended to limit the length per spool to a weight of 25 to 30 kg. Not all resistors are available from stock.