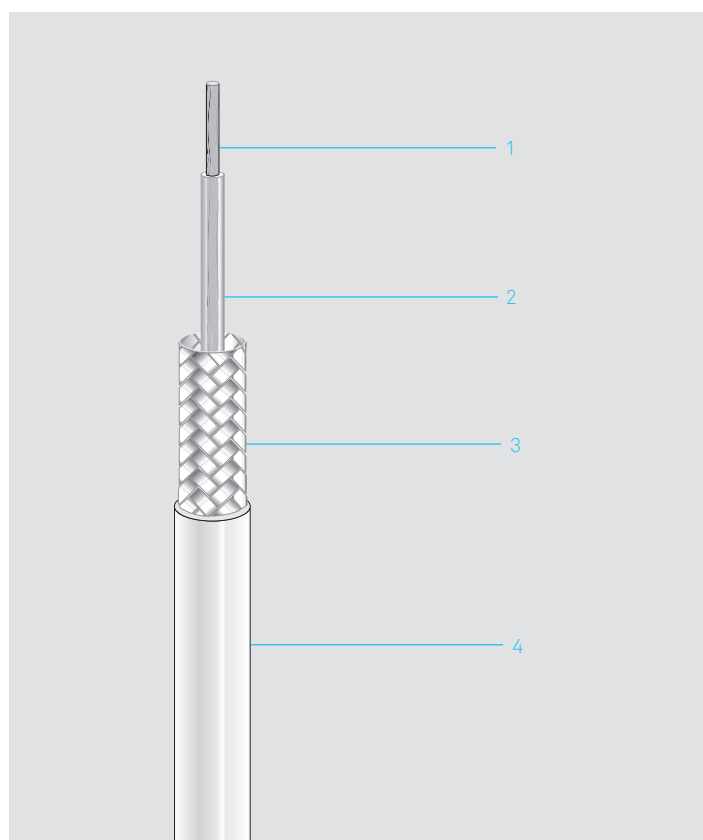


EKL premium

Flexible single-core plastic-insulated heating cable



1	Heat conductor
2	PFA insulation
3	Protective braid (nickel-plated copper)
4	Protective PFA sleeve

- Constant power output per meter
- Steam purging resistant, high resistant to chemicals
- ATEX approved according to EN 60079
- Suitable for applications in hazardous area

EKL premium is a flexible heating cable with a fixed specific resistance. It's small external dimensions make the heating cable easy to install, even on irregularly shaped surfaces such as on pumps, valves and flanges. Assembly on sites is simple and made even easier by the imprinted metre markings. The reinforced structure facilitates applications of the EKL premium heating cable even under increased mechanical stress (7 Joule).

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_g/U)	450 V/750 V
Test voltage	2.5 kV (lead/braid)
Protective braid resistance	< 18.2 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	7 Joule/13.6 Joule (in conformance to EN 60079)

Ordering information

Description	Nominal resistance at 20 °C in Ω /km	Outside diameter (mm)	Order no.
EKL premium			
1R08	1.08	10.20	27-5821-756K1R08
1R71	1.71	8.60	27-5821-756K1R71
02R9	2.9	7.60	27-5821-756K02R9
04R4	4.4	6.70	27-5821-756K04R4
07R2	7.2	5.54	27-5821-756K07R2
0010	10	5.35	27-5821-756K0010
11R7	11.7	5.20	27-5821-756K11R7
0015	15	5.02	27-5821-756K0015
17R8	17.8	4.90	27-5821-756K17R8
0025	25	4.87	27-5822-756K0025
31R5	31.5	5.19	27-5822-756K31R5
0040	40	5.00	27-5822-756K0040
0050	50	4.87	27-5822-756K0050
0065	65	4.71	27-5822-756K0065
0080	80	4.61	27-5822-756K0080
0100	100	5.16	27-5822-756K0100
0150	150	4.84	27-5822-756K0150
0180	180	4.56	27-5822-756K0180
0200	200	4.70	27-5822-756K0200
0250	250	4.41	27-5822-756K0250
0320	320	4.83	27-5826-756K0320
0360	360	4.42	27-5822-756K0360

Description	Nominal resistance at 20 °C in Ω /km	Outside diameter (mm)	Order no.
EKL premium			
0380	380	4.73	27-5826-756K0380
0480	480	4.61	27-5826-756K0480
0600	600	4.50	27-5826-756K0600
0650	650	4.46	27-5826-756K0650
0700	700	4.43	27-5826-756K0700
0810	810	4.59	27-5822-756K0810
1000	1000	4.49	27-5822-756K1000
1440	1440	4.34	27-5822-756K1440
1750	1750	4.27	27-5822-756K1750
2000	2000	4.52	27-5824-756K2000
3000	3000	4.35	27-5824-756K3000
4000	4000	4.25	27-5824-756K4000
4400	4400	4.23	27-5824-756K4400
5160	5160	4.19	27-5824-756K5160
5600	5600	4.17	27-5824-756K5600
6000	6000	4.15	27-5824-756K6000
7000	7000	4.10	27-5824-756K7000
8000	8000	4.07	27-5824-756K8000

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.