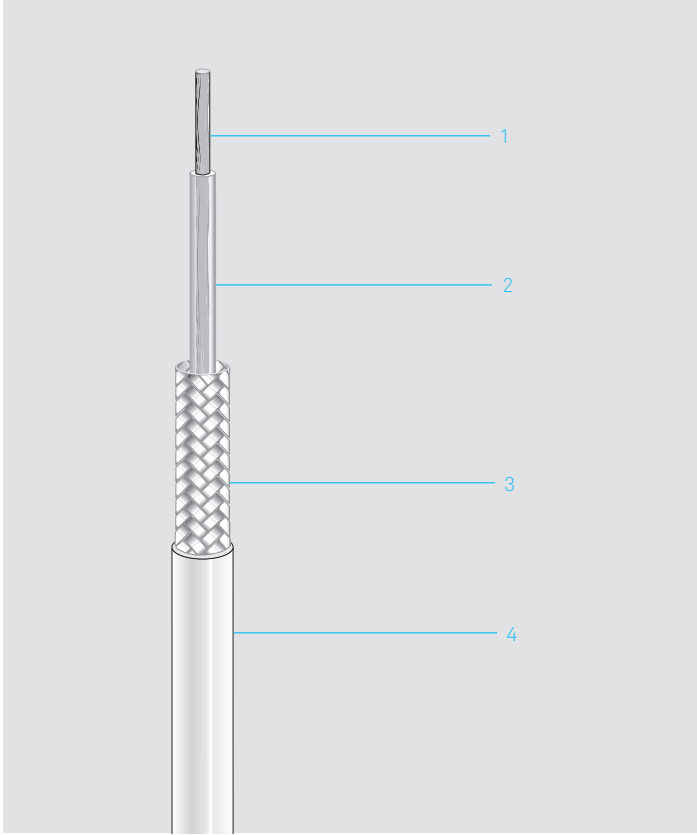


EKL light

Flexible single-core plastic-insulated heating cable



1	Heating conductor
2	PFA insulation
3	Protective braid
4	PFA outer jacket

- Constant power output per meter
- Steam purging resistant, suitable for high temperatures up to +260 °C
- Easy installation, very flexible

EKL light is a serial resistant heating cable for use in industrial and commercial areas. It is suitable for frost protection applications and temperature maintenance on pipes and tanks and it is also extremely flexible. This makes EKL light easy to install, even on irregular shapes such as on pumps, valves and flanges. The PFA protective jacket gives the EKL light a high degree of chemical and mechanical resistance, even at high temperatures. In economical terms, EKL light is a genuine alternative to SLHBs when the latter's maximum heating circuit lengths are exceeded. With pre-assembled cold leads and our connection technology, complete heating circuits can be set up quickly and flexibly.

Technical data

Nominal voltage	500 V
Working temperature	-60 °C to +260 °C
Min. installation temperature	-60 °C
Min. bending radius	5 x external diameter
Min. installation spacing	20 mm
Mechanical strength	4 joules (in conformance to EN 62395-1)
Max. heating power	25 W/m
Resistance tolerance	-5 %/+10 %
Resistance of protective braid	< 18.2 Ω/km
Resistance values	0.8 Ω/km to 8000 Ω/km
Applied standards	Electrical safety EN 62395-1

Ordering information

Designation	Nominal resistance at 20 °C in Ω /km	Cross-section Heating conductor (mm ²)	Outer diameter (mm)	Order no.
EKL light				
00R8	0.8	25.00	10.10	27-5821-5A6A00R8
01R1	1.1	16.00	9.10	27-5821-5A6A01R1
01R8	1.8	10.00	7.20	27-5821-5A6A01R8
02R9	2.9	6.00	6.40	27-5821-5A6A02R9
04R4	4.4	4.00	5.60	27-5821-5A6A04R4
0007	7	2.50	5.00	27-5821-5A6A0007
0010	10	1.80	4.40	27-5821-5A6A0010
11R7	11.7	1.50	4.30	27-5821-5A6A11R7
0015	15	1.20	4.10	27-5822-5A6A0015
17R8	17.8	1.00	4.00	27-5822-5A6A17R8
0025	25	0.98	4.00	27-5822-5A6A0025
31R5	31.5	1.54	4.30	27-5822-5A6A31R5
0050	50	0.98	4.00	27-5822-5A6A0050
0065	65	0.75	3.80	27-5822-5A6A0065
0080	80	0.62	3.60	27-5822-5A6A0080
0100	100	0.50	3.60	27-5822-5A6A0100
0150	150	0.98	4.00	27-5822-5A6A0150
0180	180	0.56	3.60	27-5822-5A6A0180
0200	200	0.49	3.50	27-5822-5A6A0200
0250	250	0.39	3.50	27-5822-5A6A0250
0320	320	0.92	3.80	27-5822-5A6A0320
0380	380	0.41	3.60	27-5822-5A6A0380
0480	480	0.46	3.70	27-5822-5A6A0480
0600	600	0.49	3.60	27-5822-5A6A0600
0700	700	0.42	3.60	27-5822-5A6A0700
0810	810	0.60	3.70	27-5822-5A6A0810
1000	1000	0.48	3.70	27-5822-5A6A1000
1440	1440	0.33	3.50	27-5824-5A6A1440
1750	1750	0.28	3.40	27-5824-5A6A1750

Designation	Nominal resistance at 20 °C in Ω /km	Cross-section Heating conductor (mm ²)	Outer diameter (mm)	Order no.
EKL light				
2000	2000	0.51	3.70	27-5824-5A6A2000
3000	3000	0.35	3.50	27-5824-5A6A3000
4000	4000	0.26	3.40	27-5824-5A6A4000
4400	4400	0.24	3.30	27-5824-5A6A4400
5160	5160	0.21	3.30	27-5824-5A6A5160
5600	5600	0.19	3.30	27-5824-5A6A5600
6000	6000	0.18	3.30	27-5824-5A6A6000
7000	7000	0.15	3.30	27-5824-5A6A7000
8000	8000	0.13	3.30	27-5824-5A6A8000

Recommended cold leads

Designation	Nominal resistance at 20 °C in Ω /km	Cross-section Heating conductor (mm ²)	Outer diameter (mm)	Rated current [A] ⁽¹⁾
EKL light 0007 ⁽²⁾	7	2.50	5.00	32
EKL light 04R4	4.4	4.00	5.60	42
EKL light 02R9	2.9	6.00	6.40	54
EKL light 01R8	1.8	10.00	7.20	73
EKL light 01R1	1.1	16.00	9.10	98
EKL light 00R8	0.8	25.00	10.10	129

(1) free in air, (2) available as pre-assembled cold lead (1.2 m).

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.