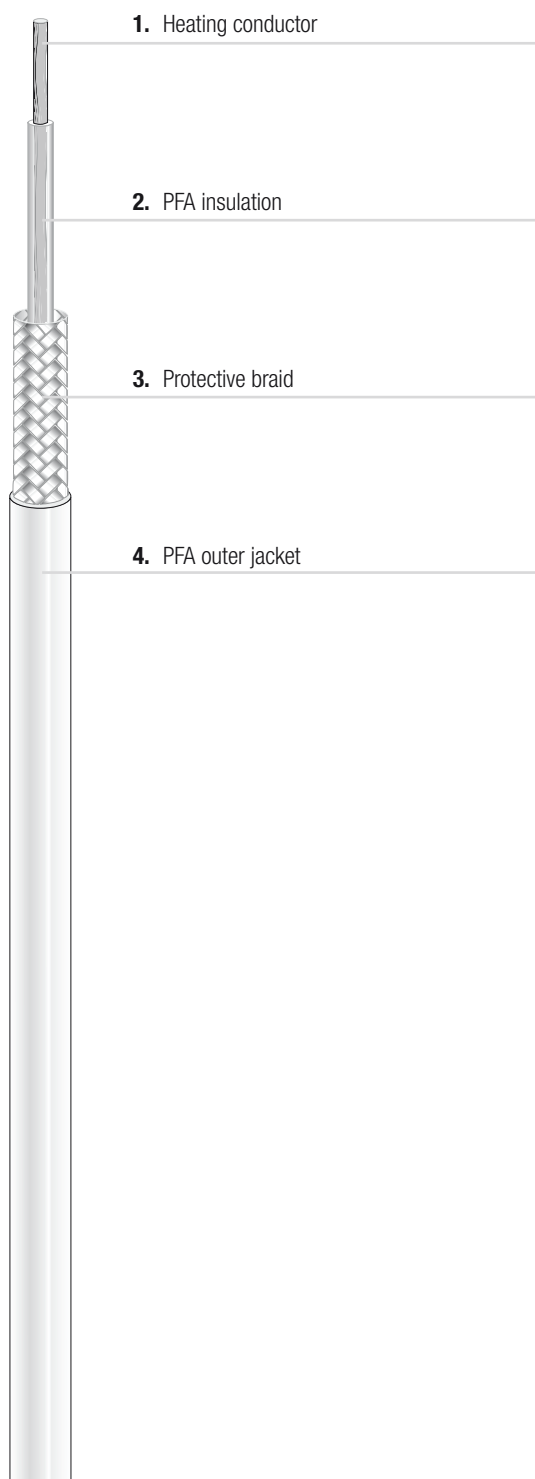


- Constant power output per meter
- Steam purging resistant, suitable for high temperatures up to +260 °C
- Easy installation, very flexible

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 <sup>2</sup> )	Outer diameter (mm)	Order no.
EKL light 00R8	0.8	25.00	10.10	<b>27-5821-5A6A00R8</b>
EKL light 01R1	1.1	16.00	9.10	<b>27-5821-5A6A01R1</b>
EKL light 01R8	1.8	10.00	7.20	<b>27-5821-5A6A01R8</b>
EKL light 02R9	2.9	6.00	6.40	<b>27-5821-5A6A02R9</b>
EKL light 04R4	4.4	4.00	5.60	<b>27-5821-5A6A04R4</b>
EKL light 0007	7	2.50	5.00	<b>27-5821-5A6A0007</b>
EKL light 0010	10	1.80	4.40	<b>27-5821-5A6A0010</b>
EKL light 11R7	11.7	1.50	4.30	<b>27-5821-5A6A11R7</b>
EKL light 0015	15	1.20	4.10	<b>27-5822-5A6A0015</b>
EKL light 17R8	17.8	1.00	4.00	<b>27-5822-5A6A17R8</b>
EKL light 0025	25	0.98	4.00	<b>27-5822-5A6A0025</b>
EKL light 31R5	31.5	1.54	4.30	<b>27-5822-5A6A31R5</b>
EKL light 0050	50	0.98	4.00	<b>27-5822-5A6A0050</b>
EKL light 0065	65	0.75	3.80	<b>27-5822-5A6A0065</b>
EKL light 0080	80	0.62	3.60	<b>27-5822-5A6A0080</b>
EKL light 0100	100	0.50	3.60	<b>27-5822-5A6A0100</b>
EKL light 0150	150	0.98	4.00	<b>27-5822-5A6A0150</b>
EKL light 0180	180	0.56	3.60	<b>27-5822-5A6A0180</b>
EKL light 0200	200	0.49	3.50	<b>27-5822-5A6A0200</b>
EKL light 0250	250	0.39	3.50	<b>27-5824-5A6A0250</b>
EKL light 0320	320	0.92	3.80	<b>27-5822-5A6A0320</b>
EKL light 0380	380	0.41	3.60	<b>27-5822-5A6A0380</b>
EKL light 0480	480	0.46	3.70	<b>27-5822-5A6A0480</b>
EKL light 0600	600	0.49	3.60	<b>27-5822-5A6A0600</b>
EKL light 0700	700	0.42	3.60	<b>27-5822-5A6A0700</b>
EKL light 0810	810	0.60	3.70	<b>27-5822-5A6A0810</b>
EKL light 1000	1000	0.48	3.70	<b>27-5822-5A6A1000</b>
EKL light 1440	1440	0.33	3.50	<b>27-5824-5A6A1440</b>
EKL light 1750	1750	0.28	3.40	<b>27-5824-5A6A1750</b>
EKL light 2000	2000	0.51	3.70	<b>27-5824-5A6A2000</b>
EKL light 3000	3000	0.35	3.50	<b>27-5824-5A6A3000</b>
EKL light 4000	4000	0.26	3.40	<b>27-5824-5A6A4000</b>
EKL light 4400	4400	0.24	3.30	<b>27-5824-5A6A4400</b>
EKL light 5160	5160	0.21	3.30	<b>27-5824-5A6A5160</b>
EKL light 5600	5600	0.19	3.30	<b>27-5824-5A6A5600</b>
EKL light 6000	6000	0.18	3.30	<b>27-5824-5A6A6000</b>
EKL light 7000	7000	0.15	3.30	<b>27-5824-5A6A7000</b>
EKL light 8000	8000	0.13	3.30	<b>27-5824-5A6A8000</b>

**Recommended cold leads**

Designation	Nominal resistance at 20 °C in Ω/km	Cross-section Heating conductor (mm <sup>2</sup> )	Outer diameter (mm)	Rated current [A] <sup>(1)</sup>
EKL light 0007 <sup>(2)</sup>	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

<sup>(1)</sup> free in air, <sup>(2)</sup> 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.

Technical data subject to change without notice.