



ELCHEM PRO 18/36 LSZH

Halogen free self-regulating defrosting cable



The ELCHEM PRO LSZH defrosting cable is suitable for applications including rainwater systems and trace heating in pipes, offering a high-quality alternative for installations where halogen-free cables are required. With UV protection and sturdy shielding for durability, the cable is very resistant in outdoor use.

Supplied either by the metre or as a ready-to-install cable tailored to the site, in which case the frost protection cable is supplied with the desired cold lead. End termination and extension kits are also available, which enable the cable connections to be made on site.

The power of a self-limiting heating cable is not necessarily the same along the entire length of the cable, but varies along the cable if it is exposed to different conditions.

Please note that with the right control system, frost protection is more cost-effective and at the same time, using a control system extends the service life of cables. For this reason, it is always recommended to use a thermostat or other external control even for self-limiting heating cables. Do not hesitate to ask our customer service for support with system design!

Third party verified

EPD



SCAN TO OPEN EPD

EPD available for the product's assembly structure!

The EPD is valid for a specific assembly, which features ELCHEM PRO 18/36 LSZH as heating cable, and Afumex MCMK-HF C-PRO as cold lead. Contact our sales to order the tailor-made cable: myynti@pistesarjat.fi or +358 10 423 8770.

An Environmental Product Declaration (EPD) reports environmental impacts of a products during its life cycle. EPDs promote low-carbon construction by providing comparable and independently verified information on the impacts of products.

ELCHEM PRO LSZH

Outer sheath

Shielding

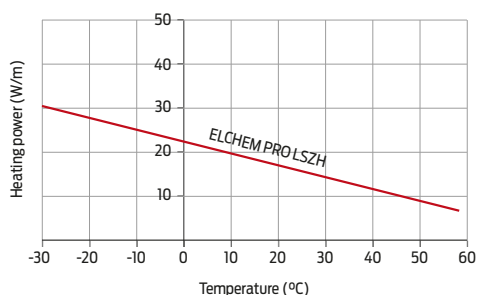
Insulation

Conductor

TECHNICAL SPECIFICATIONS

Power	20 W/m @ +10 °C
Operating voltage	230 V
Outer sheath	Halogen free polyolefin
Shielding	Braid screen, tinned copper + AlPET foil
Conductors	Tin-plated copper
Diameter	7 mm x 11 mm
Max. ambient temp.	Power off 85 °C, energized 65 °C
Min. installation temp.	-30 °C
Min. bending radius	30 mm
UV protection	Yes

SWITCHING TEMPERATURE	NOMINAL FUSE RATING	MAX. HEATING CIRCUIT LENGTH*
10 °C	10 A	80,0 m
	16 A	110,0 m
	20 A	135,0 m
0 °C	10 A	60,0 m
	16 A	90,0 m
	20 A	120,0 m
-15 °C	10 A	50,0 m
	16 A	75,0 m
	20 A	105,0 m
-20 °C	10 A	45,0 m
	16 A	65,0 m
	20 A	90,0 m



* Heating circuit lengths taking into account:

- 230 V nominal voltage
- Slow-acting circuit breaker (C-curve), maximum heating load 80%
- Heating cable supply line voltage drop max. 10 %
- One (1) heating cable, unidirectional supply
- Installed on the surface of an insulated metal pipe in accordance with EN62395-1