ELCHEM PRO LSZH

Halogen free self-regulating defrosting cable

PST HEATING CABLES

CE

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 to 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 de-icing system design!

Soon available with EPD certification!

An Environmental Product Declaration is a document that reports the environmental impacts of a product over its life cycle. EPDs support reduction targets for carbon emissions in the construction industry by providing comparable and third-party verified information for products and materials.

PISTESARJAT

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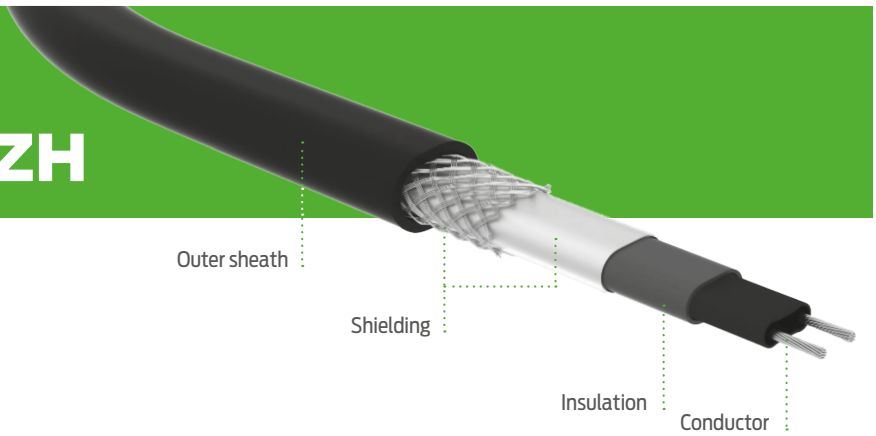
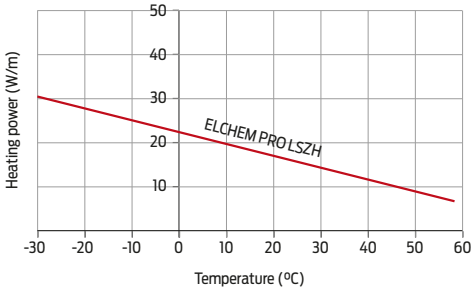


TECHNICAL SPECIFICATIONS	
Power	20 W/m @ +10 °C
Operating voltage	230 V
Outer sheath	Halogen free polyolefin
Shielding	Braid screen, tinned copper + AlPET foil
Conductors	Tin-plated copper
Diameter	7 mm x 11 mm
Max. ambient temp.	Power off 85 °C, energized 65 °C
Min. installation temp.	–30 °C
Min. bending 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 maximum 10%
- One (1) heating cable, unidirectional supply
- Installed on the surface of an insulated metal pipe in accordance with EN62395-1

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