

- Silicone-free
- Self-limiting
- Other lengths on request

Explosion protection

Marking	⊕ II 2G Ex e IIC 200 °C (T2), T3 Gb
Certification	KEMA 08 ATEX 0109 IECEX KEM 09.0082
Other approvals and certificates, see www.bartec.de	
Thermal safety	EN 60519-2; Section 13, class 0
Temperature class	Version 110 V, T2, T3 on request Version 230 V, T3

This flexible heating tape is used in explosive atmospheres to heat electric motors and generators at standstill. It provides reliable protection against corrosion damage and the associated mechanical breakdowns because it effectively prevents condensation from forming, even under extreme conditions. The heater is supplied ready to connect, which is done via an M20 screwed cable connection fed into an Ex e distributor, or is directly clamped to terminals in an Ex room without a screwed connection. As these heating tapes are self-limiting, overheating is prevented, even if they are laid on top of each other. An additional temperature limiter is not required.

Structure of the heating tape

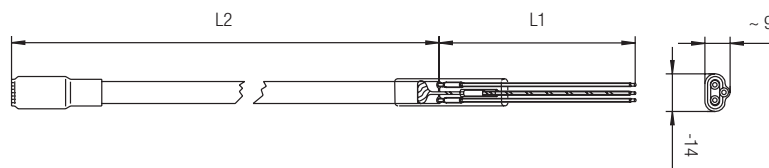
- Copper power conductor wire 1.2 mm², nickel-plated
- Self-limiting plastic heating element
- Insulation sleeve made of FEP
- Tin-plated copper braiding
- Protective sleeve made of FEP

Technical data

Max. temperatures at place of use	switched-on permanently -40 °C to +120 °C switched-off -40 °C to +170 °C
Nominal voltage	208 V to 254 V or 110 V to 120 V
Heating output at 10 °C	12 W, 24 W, 48 W and 96 W at a specific heating output of 45 W/m
Insulation testing	AC 1500 V for 1 minute
Terminal wires with FEP isolation	fine-stranded with tin-plated copper wires 1.5 mm ² , green and yellow protective earth conductor 2.5 mm ²
Heat conductor closing	shrink-fit hose made of PTFE/FEP
Min. bending radius	25 mm
Size of heating tape diameter	10.2 mm x 4.8 mm

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Dimensions



Ordering information HSB heating cable Type 45

Heating output	Strand length L1 (mm)	Heating cable length L2 (mm)	Nominal voltage	Order no.
12 W	300	270	110 V	27-1776-60300012
12 W	300	270	230 V	27-1776-70300012
24 W	300	540	110 V	27-1776-60300024
24 W	300	540	230 V	27-1776-70300024
48 W	1000	1070	110 V	27-1776-61000048
48 W	1000	1070	230 V	27-1776-71000048
96 W	1000	2140	110 V	27-1776-61000096
96 W	1000	2140	230 V	27-1776-71000096

Technical data subject to change without notice.