

Heating Blankets for High Voltage Cables

Controlled heat for easier bending and straightening of HV cables

Our High Voltage Cable Heating Blankets warm a cable so it bends or straightens more easily. They run at around 90°C and can be set to hold any temperature between 0 and 90°C, delivering about 1400 W/m² to the cable through an insulated, velcro-fastened blanket with an integrated temperature controller.



AT A GLANCE

- ✓ Eases bending & straightening of high voltage cables with heat
- ✓ Settable 0–90°C, ~1400 W/m², integrated PT100 sensor
- ✓ 120 V or 230 V, IP55, Electrical Protection Class II
- ✓ Standard ø60–160 mm in 1 m, 1,5 m & 2 m — any size made to order
- ✓ Silicone-impregnated cloth + 6 mm fibreglass, velcro straps

DESCRIPTION

The blankets are made for easier bending or straightening of high voltage cables, using heat to make them more flexible. They are built for operating temperatures around 90°C but can be set to heat and maintain any temperature between 0 and 90°C.

The outside of each blanket is insulated, and they are designed to deliver about 1400 W/m² of power when heating the cable.

They can be produced for any cable diameter and length. As standard they are available for ø60–160 mm in 1 m, 1,5 m and 2 m lengths, and are fastened with velcro straps.

Each blanket is supplied with a matching temperature controller — available in 120 V and 230 V — with an integrated PT100 sensor for precise, repeatable heating.

APPROVALS



Variants & item numbers

Standard blankets cover $\varnothing 60\text{--}160$ mm cables in three lengths, in 120 V and 230 V. Each blanket is operated by a matching controller (one per voltage). Other diameters and lengths are made to order.

COMPONENT	ITEM NO.	LENGTH	POWER	VOLTAGE
Heating blanket 1 m	20-2850	$\varnothing 60\text{--}160 \times 1$ m	750 W	120 V
Heating blanket 1,5 m	25-4703	$\varnothing 60\text{--}160 \times 1,5$ m	1260 W	120 V
Heating blanket 2 m	18-2574	$\varnothing 60\text{--}160 \times 2$ m	1500 W	120 V
Heating blanket 1 m	20-2851	$\varnothing 60\text{--}160 \times 1$ m	750 W	230 V
Heating blanket 1,5 m	25-4560	$\varnothing 60\text{--}160 \times 1,5$ m	1260 W	230 V
Heating blanket 2 m	18-2573	$\varnothing 60\text{--}160 \times 2$ m	1500 W	230 V
Controller (120 V)	19-2728HVC	—	—	120 V
Controller (230 V)	19-2674HVC	—	—	230 V

All blankets fit $\varnothing 60\text{--}160$ mm cables and deliver ~ 1400 W/m². The controller is required and supplied to match the blanket voltage. Custom diameters and lengths made to order — contact us for a non-binding offer.

Technical specifications

Working temperature	0–90°C (±5°C)
Supply voltage	120 V or 230 V
IP rating	IP55
Material	Silicone cloth + 6 mm fibreglass
Fastening	Velcro straps
Thermal fuse	172°C · 16 A (controller fuse 15 A)

HEATING TIMES (GUIDELINE)

Using a 2000 mm blanket, set to 80°C.

CABLE CROSS-SECTION	HEATING TIME
400 mm²	~4 hours
1200 mm²	~5 hours
2500 mm²	~6 hours

Power output	~1400 W/m²
Cable diameter	ø60–160 mm
Ambient temperature	–10 ... +40°C
Thickness	~8 mm uncompressed
Temperature sensor	Integrated PT100
Protection class	Class II

TYPICAL APPLICATIONS

HV cable bending

Cable straightening

Jointing & termination

Workshop & on-site

Rugged high-temperature materials with a thermal cut-out at 172°C and Electrical Protection Class II for safe site use.

Plug options

Supplied without plug as standard. Add the plug that matches your installation – other plugs on request.

STANDARD  No plug Open cable end Supplied as standard —	230 V  Type F · Schuko CEE 7/7 EU · 16 A K-9099ADE	230 V  CEE 16 A, 3-pin IEC 60309 (blue) Industrial · 16 A · IP44 K-9099AEU230	230 V  Type G · UK 13 A BS 1363 UK / IE · 13 A K-9099AGB
230 V  Type J · Swiss 10 A SEV 1011 CH · 10 A · IP55 K-9099ACH	230 V  Type K · Danish DS 60884-2-D1 DK · 13 A K-9099ADK	230 V  Type I · Australian 10 A AS/NZS 3112 AU / NZ · 10 A K-9099AU	110 V  CEE 16 A, 110 V IEC 60309 (yellow) UK site / industrial · 16 A · IP44 K-9099AEU110
120 V  Type B · NEMA 5-15P NEMA 5-15 US / CA · 15 A K-9099US120	240 V  NEMA 6-15P NEMA 6-15 US / CA · 10 A K-9099US230		

Other plugs available on request. Specify the plug item number when ordering.

Contact your distributor for a quote

Quote the item number from this brochure when you order.