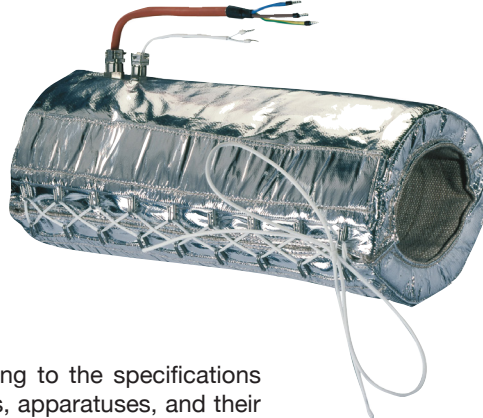


Heating Mats/Heating Jackets  
Type ELPW / ELPM  
80°C/250°C/450°C/900°C



Engineered and manufactured according to the specifications of the customer. For use on appliances, apparatuses, and their components. Highly flexible and suitable for all shapes and applications where a high loading is required. Various loading rates and temperature ranges are available. The heating mats are made of heating cable fastened to a supporting piece of fabric. The heating jackets have an additional thermal insulation.

Heating mats and insulating jackets can also be supplied separately. One or more heating or control circuits can be planned. The heating mats and heating jackets are highly flexible. They will not damage the surfaces they are applied on. They can be removed. One or more PT 100 temperature sensors or thermocouples can be fitted.

Please contact our project engineers if you intend to use heating mats or heating jackets.

Their long experience will allow them to offer you economical heating systems.

**Standards:**

Manufactured acc. to ..... DIN VDE 0721

Test procedure acc. to ..... DIN VDE 0721

**IMPORTANT!**

**This cable can be produced and delivered for hazardous areas (Ex-area, with ATEX certificate) - please state when ordering.**

Nominal temperature	80°C	250°C	450°C	900°C
Material of heating surface	Plastic fabric with and without PU/PVC coating	Fibreglass with silicone or PTFE coating	Fibreglass without coating	Quartz fabric without coating
Thermal insulation	Plastic foam	Glass felt Silicone foam	Glass felt	Quartz felt Ceramic wool
Outer surface of thermal insulation	The low surface temperatures on the outside of the insulation allow the use of following materials: Plastic fabric with or without coating up to 80°C. Aluminium-coated fibreglass up to 160°C. Fibreglass or quartz without coating will be used for higher surface temperatures.			
Type of fastener on heating jackets	Velcro strips	Hooks	Hooks	
Fastener for heating mats	Glass cloth tape, eyes	Glass cloth tape with silicone adhesive, hooks, eyes	Fibreglass lacing Hooks, eyes	Quartz lacing
Nominal voltage Primary insulation of electric heating	500V PTFE (5Y/1)	500V PTFE (5Y/1)	400V Fibre glass	400V Quartz fabric
Earth braiding available (Protection class)	yes	yes	yes	no
Max. heat density	500W/m <sup>2</sup>	1800W/m <sup>2</sup>	10000W/m <sup>2</sup>	20000W/m <sup>2</sup>

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