

FLEXIBLE HEATING CABLES

DESCRIPTION

The flexible heating cables are manufactured by winding a heating wire around a fibreglass core. They can be insulated with different materials such as silicone, PVC and fibreglass. The selection of the materials depends on the working temperature.

It is possible to add a special metal braid on the external insulation to protect the cable from mechanical stress and improve its thermal distribution. The metal braid acts as well as grounding.

The possibility to differentiate the specific charge within the hot area, enables to obtain different temperatures in different parts of the same item. The technology with incorporated cold parts is available as well.

Sedes offers the cable already cut and finished according to customer needs, or wound on coil.

The flexible heating cable can be completed by accessories such as 2-pole plugs for connection, clamp with screw for application to different dimensions and models.

The main benefits are:

- High adaptability to complex surfaces such as cavities, tubes, etc.
- Possibility to operate immersed or in environments with high humidity
- Easy installation
- High design customizability
- Wide range of terminals, plugs or other special connections

APPLICATIONS

Automotive and transports (car and truck rear mirrors, trains); catering (refrigerators, temperature reducers); air conditioning (air conditioners, crankcase heaters); industrial and commercial refrigeration (drip trays, doors for cold storage rooms); bathrooms (towel rail heaters, saunas, hydromassage pool); beauty industry (electric blankets, heating mats); household appliances (electric trouser presses, ironing boards); miscellaneous (heating of greenhouses, aquariums and terrariums).

DATI TECNICI / TECHNICAL DATA

ISOLAMENTO/ INSULATION	PVC	Silicone	Fibravetro/Fibreglass
CLASSE/CLASS	VII	VII	I
PROTEZIONE METALLICA/METAL PROTECTION	Opzionale/Optional	Opzionale/Optional	Opzionale/Optional
TEMPERATURA LAVORO/WORKING TEMPERATURE	-30°C ÷ +90°C	-30°C ÷ +180°C	-30°C ÷ +300°C
DIAMETRO ESTERNO (Ø)/EXTERNAL DIAMETER (Ø)	1.6mm ÷ 6.0mm	1.6mm ÷ 6.0mm	2.4mm ÷ 6.0mm
TENSIONE DI ALIMENTAZIONE/SUPPLY VOLTAGE	1V ÷ 400V	1V ÷ 400V	1V ÷ 400V
MASSIMO CARICO SPECIFICO/MAX. SPECIFIC CHARGE	15W/m	40W/m	100W/m
ZONE FREDDI/COLD PART	Incorporate o cavi <i>Integrated or cable</i>	Incorporate o cavi <i>Integrated or cable</i>	Incorporate o cavi <i>Integrated or cable</i>
TERMINAZIONI (SU RICHIESTA)/TERMINAL (ON REQUEST)	Puntali o faston <i>Pin or faston</i>	Puntali o faston <i>Pin or faston</i>	Puntali o faston <i>Pin or faston</i>
LUNGHEZZE/LENGTHS	0.1m ÷ 40m	0.1m ÷ 40m	0.1m ÷ 20m

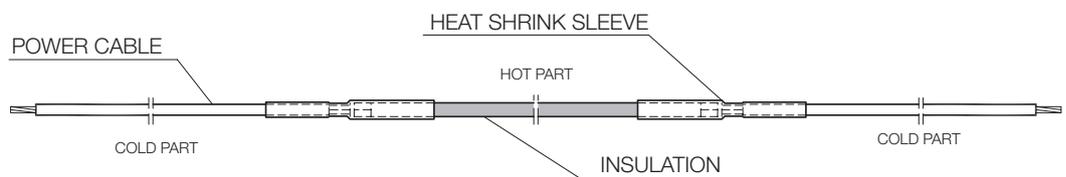
APPROVAZIONI/APPROVALS



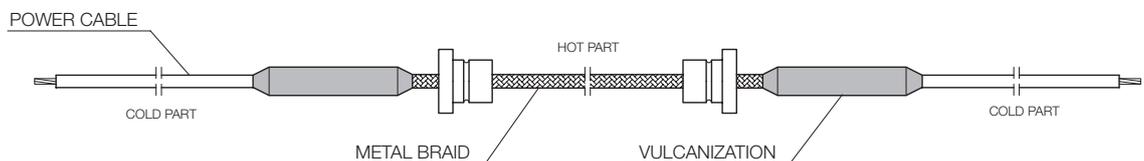
COLLAUDI/TESTS

EN 60335-1, EN 50106

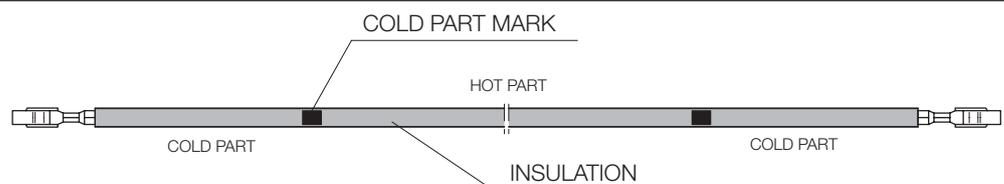
DISEGNO TECNICO / TECHNICAL DRAWING



EXAMPLE: ELEMENT WITH CABLES



EXAMPLE: ELEMENT WITH VULCANIZATION



EXAMPLE: ELEMENT WITH INCORPORATED COLD PARTS