



ISOHEAT®



High Tech Engineering

Mineral insulated heating cable

Serie MIL-HC-SS

for operating temperatures up to 800°C



Description:

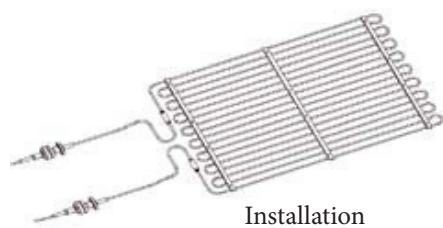
Preterminated mineral insulated heating cable with metal sheath made of stainless steel (1.4541) is applicable under extreme corrosive and damp environment mainly used for heating elements with special forms, pipe trace and container heating in the chemical industry. This heating cable is waterproof and can be used both under high pressure and vacuum conditions. High loadable heating cable for transferring large thermal volumes. The connection joints between heating cable and cold ends are welded using in heavy duty laser technology. The cold end can be fed into a junction box and connected by means of a M20x1.5 gland.



resistance	outer diameter	bending radius
0,16 Ω /m	6,5 mm	> 30 mm
0,25 Ω /m	5,6 mm	> 30 mm
0,40 Ω /m	5,0 mm	> 30 mm
0,63 Ω /m	4,5 mm	> 20 mm
1,00 Ω /m	4,1 mm	> 20 mm
1,60 Ω /m	3,8 mm	> 15 mm
2,50 Ω /m	3,6 mm	> 15 mm
4,00 Ω /m	3,2 mm	> 15 mm
6,30 Ω /m	3,2 mm	> 15 mm
10,0 Ω /m	3,2 mm	> 15 mm



fitting M20



Installation
example

outer
metal sheath

MgO

conductor



laser welded connection

Technical specification

MIL-HC-SS

nominal voltage	230 V AC
nominal power	see ordering details
dimension	Ø 3,2 - 6,5 mm
protection class	I
system of protection	IP 67
max. heating element temperature	800°C
cold end	2 x 0,5 m in stainless steel (1.4541) with 150 mm flexible leads
gland	M 20 x 1,5

Ordering details

100 W/m

length m	power W	part.-no.
7,2	720	25000072
9,1	910	25000091
11,5	1150	25000115
14,5	1450	25000145
18,0	1800	25000180
23,0	2300	25000230
29,0	2900	25000290
36,0	3600	25000360
46,0	4600	25000460
57,5	5750	25000575

Ordering details

200 W/m

length m	power W	part.-no.
5,1	1020	25100051
6,5	1300	25100065
7,7	1540	25100077
10,3	2060	25100103
12,7	2540	25100127
15,5	3100	25100155
20,3	4060	25100203
25,5	5100	25100255
32,5	6500	25100325
40,0	8000	25100400

Other lengths and other specifications – available on request.

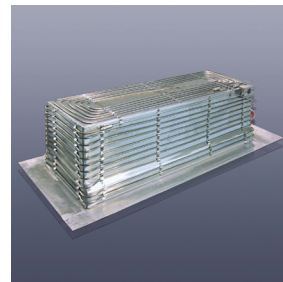
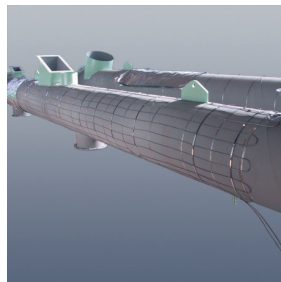
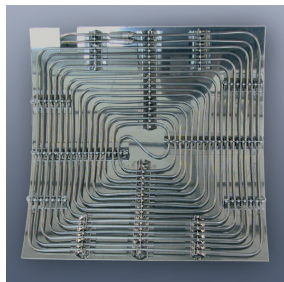
ATEX approved for used in hazardous (classified) areas
available on request



Accessories

Junction boxes, assembly consoles and installation materials – available on request.

For temperature regulation we supply a full range of controllers and temperature regulators appliances and corresponding with our temperature sensors.



Examples of different applications



ISOHEAT GmbH
Großer Sand 4
D-76698 Ubstadt-Weiher

Tel.: +49 (0) 72 51 - 93247-0
Fax +49 (0) 72 51 - 93247-29

E-Mail: info@isoheat.de
Internet: www.isoheat.de