



ISOHEAT®



High Tech Engineering

Mineral insulated heating cable series MIL-HC-INC

for operating temperatures up to 1000°C



Description:

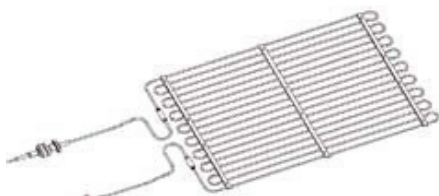
Preterminated mineral insulated heating cable with metal sheath made of Inconel® (2,4816) is applicable under extreme corrosive and damp environment mainly used for heating elements with special forms, pipe trace and container heating in the chemical industry. This heating cable is waterproof and can 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

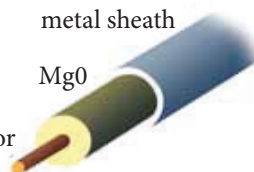


Installation
example

outer
metal sheath

MgO

conductor



laser welded connection

Technical specification

MIL-HC-INC

nominal voltage	230 V AC
nominal power	siehe Bestelldaten
dimension	Ø 3,2 - 6,5 mm
protection class	I
system of protection	IP 67
max. heating element temperature	1000°C
cold end	2 x 0,5 m in Inconel® (2.4816) 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	26000072
9,1	910	26000091
11,5	1150	26000115
14,5	1450	26000145
18,0	1800	26000180
23,0	2300	26000230
29,0	2900	26000290
36,0	3600	26000360
46,0	4600	26000460
57,5	5750	26000575

Ordering details

200 W/m

length m	power W	part.-no.
5,1	1020	26100051
6,5	1300	26100065
7,7	1540	26100077
10,3	2060	26100103
12,7	2540	26100127
15,5	3100	26100155
20,3	4060	26100203
25,5	5100	26100255
32,5	6500	26100325
40,0	8000	26100400

Other lengths and other specifications – available on request.

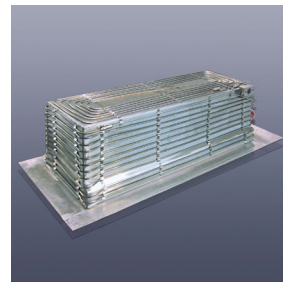
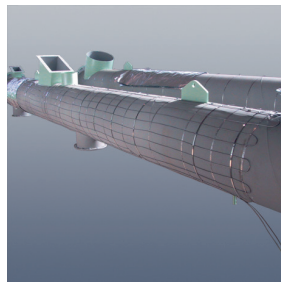
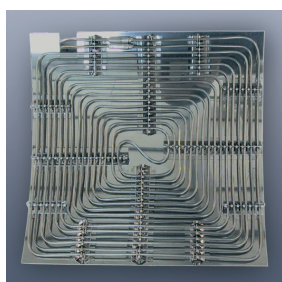
ATEX approved for used in hazardous (classified) areas
available on request



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



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