

Type HIL-IC

1000 °C



Heating cable with metal braiding inconel 2.4816

Application potential:

Radiation heaters, vacuum technology, submersible heaters, containers, valves, pumps, forms, process and plate heaters.

This mineral-insulated heating cable with a inconel braiding 2.4816 is applicable within extreme corrosive and damp surroundings. The HIL heating cable is extremely robust and easy to bend.

The inconel braiding is watertight, oiltight and gastight. A utilisation temperature of up to 1000°C enables a variety of applications.

The cold end of the heating cable can be fed into a terminal box and connected by means of a M20X1.5 screwed connection.

Operating temperature:	max. 1000°C
Rated voltage:	230 V AC/DC
Rated capacity:	100 / 200 / 250 W/m
Outer jacket:	inconel 2.4816
Length of cold ends:	0.5 m
Protection class:	IP 67 (EN60529)
Protective conductor:	yes
Protection class:	I

Me- tres	100 Watt/m	Order Nr.	AD Ø mm	Ohm/ Metres	Bending radius mm
7,2	720	HIL-IC/10007	3,2	10,0	> 15
9,1	910	HIL-IC/10009	3,2	6,3	> 15
11,5	1150	HIL-IC/10011	3,2	4,0	> 15
14,5	1450	HIL-IC/10014	3,6	2,5	> 18
18,0	1800	HIL-IC/10018	3,8	1,6	> 18
23,0	2300	HIL-IC/10023	4,1	1,0	> 20
29,0	2900	HIL-IC/10029	4,5	0,63	> 20
36,0	3600	HIL-IC/10036	5,0	0,4	> 30
46,0	4600	HIL-IC/10046	5,6	0,25	> 30
57,5	5750	HIL-IC/10057	6,5	0,16	> 35

Temperature control as listed in chapter 6 Temperature Controllers.



Me- tres	200 Watt/m	Order Nr.	AD Ø mm	Ohm/ Metres	Bending radius mm
5,1	1020	HIL-IC/20005	3,2	10,0	> 15
6,5	1300	HIL-IC/20006	3,2	6,3	> 15
7,7	1540	HIL-IC/20008	3,2	4,0	> 15
10,3	2060	HIL-IC/20010	3,6	2,5	> 18
12,7	2540	HIL-IC/20012	3,8	1,6	> 18
15,5	3100	HIL-IC/20015	4,1	1,0	> 20
20,3	4060	HIL-IC/20020	4,5	0,63	> 20
25,6	5100	HIL-IC/20025	5,0	0,4	> 30

Me- tres	250 Watt/m	Order Nr.	AD Ø mm	Ohm/ Metres	Bending radius mm
4,6	1150	HIL-IC/25004	3,2	10,0	> 15
7,3	1800	HIL-IC/25007	3,2	4,0	> 15
9,2	2300	HIL-IC/25009	3,6	2,5	> 18
12,0	2870	HIL-IC/25012	3,8	1,6	> 18
14,0	3500	HIL-IC/25014	4,1	1,0	> 20
18,0	4550	HIL-IC/25018	4,5	0,63	> 20
23,0	5750	HIL-IC/25023	5,0	0,25	> 30