

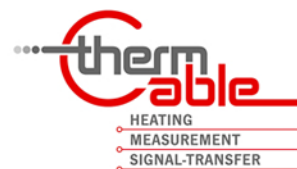
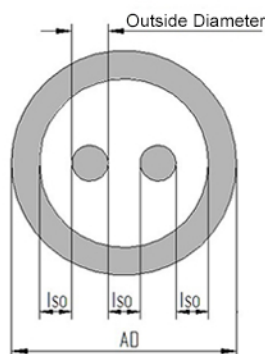
# Datasheet

## Double / 2-wires Mineral Insulated Heater Cable

|                       |                           |
|-----------------------|---------------------------|
| Metal sheath          | AISI 321 oder Inconel 600 |
| Insulation            | MgO                       |
| Working range         | 300-400V                  |
| Voltage strength      | 1500V                     |
| Insulation resistance | > 1000 MΩ*m bei RT        |
| Bending radius        | 8x Manteldurchmesser      |
| Wall thickness        | Min 10% vom AD            |

### Tolerance:

|                           |         |
|---------------------------|---------|
| -Resistance (ohm/m)       | ± 10%   |
| -Outside Diameter (ohm/m) | ±0,05mm |



| TC-Article Number | Resistance ohm/m | Outside Diameter OD (mm) ± 0.05mm | Heating cable sheath material | Outside Diameter (mm) | Conductor Tolerance ± (mm) | Insulation Thickness (mm) |
|-------------------|------------------|-----------------------------------|-------------------------------|-----------------------|----------------------------|---------------------------|
| KF2-1A075-00022-1 | 0,022            | 7,5                               | Kupfer                        | 1,411                 | 0,068                      | 1,31                      |
| HD2-1A067-00330-1 | 0,33             | 6,7                               | CuNi6                         | 0,878                 | 0,043                      | 1,20                      |
| HD2-1A063-00500-1 | 0,50             | 6,3                               | CuNi6                         | 0,713                 | 0,033                      | 1,18                      |
| HD2-1A051-00750-1 | 0,75             | 5,1                               | CuNi6                         | 0,582                 | 0,029                      | 0,97                      |
| HD2-1A044-01000-1 | 1,00             | 4,4                               | CuNi6                         | 0,504                 | 0,025                      | 0,84                      |
| HG2-1A047-01600-1 | 1,60             | 4,7                               | CuNi44                        | 0,883                 | 0,043                      | 0,66                      |
| HG2-1A050-02460-1 | 2,46             | 5,0                               | CuNi44                        | 0,712                 | 0,035                      | 0,86                      |
| HG2-1A040-03200-1 | 3,20             | 4,0                               | CuNi44                        | 0,624                 | 0,031                      | 0,65                      |
| HV2-1A053-04600-1 | 4,60             | 5,3                               | NiCr8020                      | 0,773                 | 0,038                      | 0,86                      |
| HV2-1A050-06600-1 | 6,60             | 5,0                               | NiCr8020                      | 0,646                 | 0,031                      | 0,87                      |
| HV2-1A051-09840-1 | 9,80             | 5,1                               | NiCr8020                      | 0,528                 | 0,026                      | 0,97                      |
| HV2-1A044-13120-1 | 13,12            | 4,4                               | NiCr8020                      | 0,458                 | 0,022                      | 0,84                      |
| HV2-1A038-19680-1 | 19,68            | 3,8                               | NiCr8020                      | 0,373                 | 0,019                      | 0,74                      |
| HV2-1A040-24600-1 | 24,60            | 4,0                               | NiCr8020                      | 0,334                 | 0,017                      | 0,80                      |
| HV2-1A037-36000-1 | 36,00            | 3,7                               | NiCr8020                      | 0,276                 | 0,014                      | 0,77                      |

### 1.4541 / AISI 321

Resistiveness against aggressive medium such as hot petrochemical, steam and combustion gases.

Good oxidation resistance in air up to ca. 900°C with temperature change up to ca. 800°C.

Operation resistance within carbon dioxide up to ca. 650°C.

### 2.4816 / Inconel 600

Good robustness against general corrosion and stress corrosion cracking. Oxidation robustness up to ca. 1150°C

Sulphurous atmosphere up till ca. 550°C and Chlorineless water up till 590°C usable.

subject to errors

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