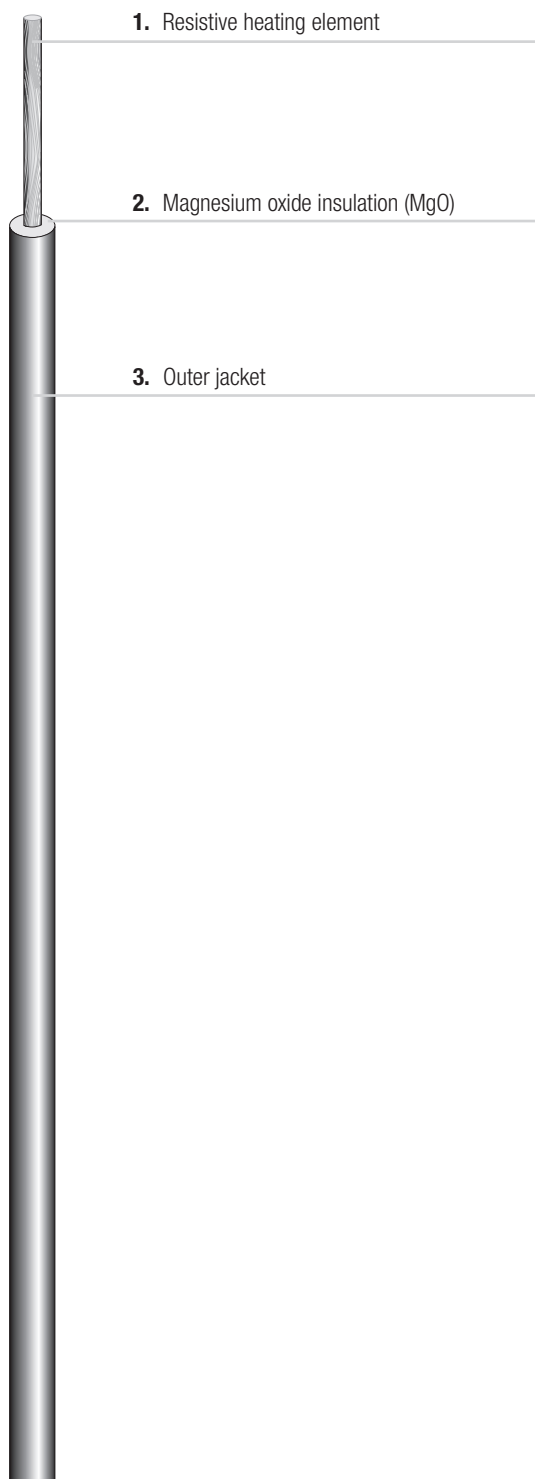


- High constant power output per metre
- Extremely high mechanical strength
- Highly resistant to chemicals

A distinguishing feature of our BARTEC EMK heating cables is that they are extremely robust and require no additional protection against mechanical influences.

Function

The application of a supply voltage to the resistance cable generates heat. The quantity of heat is dependent on the resistance value of the heating cable and the supply voltage.



Explosion protection

Marking	⊕ II 2G Ex e IIC T1 to T6 Gb
Certification	Sira 13 ATEX 3363
Other approvals and certificates, see www.bartec.de	

Technical data

Structure	heating element: copper, chromium nickel, constantan insulation: magnesium Oxide (MgO) outer jacket: stainless steel no. 1.4541 CuNi or Alloy 825/Inconel
Heating circle with EMK	Ex version: Type 27-3621-02../.... Type 27-3621-04../.... Standard version: Type 27-3623-02../.... Type 27-3623-04../....
Nominal voltage	up to 500 V
Test voltage	1.5 kV
Min. installation temperature	-20 °C
Bend radius	3 x OD (Standard version) 5 x OD (Ex version)
Weight	100 to 180 g/m ²
Max. jacket withstand temperature	Alloy 825/Inconel +650 °C (on request) S/S no. 1.4541 +600 °C CuNi +400 °C

Ordering information CuNi

Short form title	Ω/km at +20 °C	Conductor material	Outer diameter (mm)	Outer jacket resistance Ω/km	Order no.
EMK CuNi 0011	11	Copper	4.9	58.30	27-3833-20490011
EMK CuNi 0017	17	Copper	4.6	65.60	27-3833-20460017
EMK CuNi 0063	25	Copper	3.7	93.30	27-3833-20370025
EMK CuNi 0025	40	Copper	3.4	107.60	27-3833-20340040
EMK CuNi 0040	63	Copper	3.2	121.00	27-3833-20320063
EMK CuNi 0160	160	Constantan	4.9	58.81	27-3833-20490160
EMK CuNi 0250	250	Constantan	4.4	71.99	27-3833-20440250
EMK CuNi 0400	400	Constantan	4.0	87.69	27-3833-20400400
EMK CuNi 0630	630	Constantan	3.7	103.10	27-3833-20370630
EMK CuNi 1000	1000	Constantan	3.4	123.00	27-3833-20341000
EMK CuNi 1600	1600	Constantan	3.2	139.60	27-3833-20321600

Ordering information VA No. 1.4541

Short form title	Ω/km at +20 °C	Conductor material	Outer diameter (mm)	Outer jacket resistance Ω/km	Order no.
EMK VA 0160	160	Chromium Nickel	6.5	92.38	27-3834-20650160
EMK VA 0250	250	Chromium Nickel	5.3	137.60	27-3834-20530250
EMK VA 0400	400	Chromium Nickel	4.7	173.70	27-3834-20470400
EMK VA 0630	630	Chromium Nickel	4.3	152.40	27-3834-20430630
EMK VA 1000	1000	Chromium Nickel	3.9	187.00	27-3834-20391000
EMK VA 1600	1600	Chromium Nickel	3.6	215.30	27-3834-20361600
EMK VA 2500	2500	Chromium Nickel	3.4	235.80	27-3834-20342500
EMK VA 4000	4000	Chromium Nickel	3.2	284.20	27-3834-20324000
EMK VA 6300	6300	Chromium Nickel	3.2	284.20	27-3834-20326300
EMK VA 10K0	10000	Chromium Nickel	3.2	284.20	27-3834-203210K0

Technical data subject to change without notice.