

bedra resistance wire **bercotherm**® S12 out of a special copper alloy.

## Fields of application

<b>Wellness &amp; living</b>	electric blankets, electric pillows, electric carpet heating, underfloor heating, roof heating, roof gutter heating, defrosting elements
<b>Industrial applications</b>	heating wire, heating cable, deicing elements, defrosting systems, floor heating, outdoor heating systems, trace heating, tank heaters, panel heating, industrial heating systems, electrofusion applications
<b>Further applications</b>	car seat heating, sport turf, heating, operating table heating, leakage detection, electrofusion applications

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.65
<b>Conductivity hard (MS / m)</b>	4.6
<b>Conductivity soft (MS / m)</b>	4.8
<b>Temp.coeff. of resistance (% / K)</b>	0.0416
<b>Resistivity hard (<math>\Omega \times \text{mm}^2 / \text{m}</math>)</b>	0.2174
<b>Resistivity soft (<math>\Omega \times \text{mm}^2 / \text{m}</math>)</b>	0.2083
<b>Tensile strength hard (N / mm<sup>2</sup>)</b>	1100
<b>Tensile strength soft (N / mm<sup>2</sup>)</b>	520

## Spool dimensions and filling weight

Type	Weight [kg]	Flange [mm]	Core [mm]	Bore [mm]	Inner size [mm]	Outer size [mm]
<b>K 100</b>	1.6	100	63	16	80	100
<b>K 125</b>	3.5	125	80	16	100	125
<b>K 160</b>	8	160	100	22	128	160
<b>K 200</b>	16	200	125	22	160	200
<b>K 250</b>	25	250	160	22	160	200
<b>K 355</b>	45	355	224	36	160	200
<b>DWF 355</b>	45	355	224	36	160	200