

bedra resistance wire **bercotherm**® S2 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>                | 8.7    |
| <b>Conductivity hard (MS / m)</b>                 | 4.9    |
| <b>Conductivity soft (MS / m)</b>                 | 5.1    |
| <b>Temp.coeff. of resistance (% / K)</b>          | 0.0357 |
| <b>Resistivity hard (Ω x mm<sup>2</sup> / m)</b>  | 0.2041 |
| <b>Resistivity soft (Ω x mm<sup>2</sup> / m)</b>  | 0.1961 |
| <b>Tensile strength hard (N / mm<sup>2</sup>)</b> | 1000   |
| <b>Tensile strength soft (N / mm<sup>2</sup>)</b> | 420    |

## 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             |