

bedra resistance wire **bercotherm**® S2 out of a special copper alloy.

Fields of application

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

Physical properties

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|---|--------|
| Density (kg/dm³) | 8.7 |
| Conductivity hard (MS / m) | 4.9 |
| Conductivity soft (MS / m) | 5.1 |
| Temp.coeff. of resistance (% / K) | 0.0357 |
| Resistivity hard (Ω x mm² / m) | 0.2041 |
| Resistivity soft (Ω x mm² / m) | 0.1961 |
| Tensile strength hard (N / mm²) | 1000 |
| Tensile strength soft (N / mm²) | 420 |

Spool dimensions and filling weight

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