

bedra resistance wire **bercotherm**® S1 out of a special copper alloy.

Fields of application

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

Density (kg/dm³)	8.9
Conductivity hard (MS / m)	43
Conductivity soft (MS / m)	45
Temp.coeff. of resistance (% / K)	0.365
Resistivity hard (Ω x mm² / m)	0.0233
Resistivity soft (Ω x mm² / m)	0.0222
Tensile strength hard (N / mm²)	550
Tensile strength soft (N / mm²)	300

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