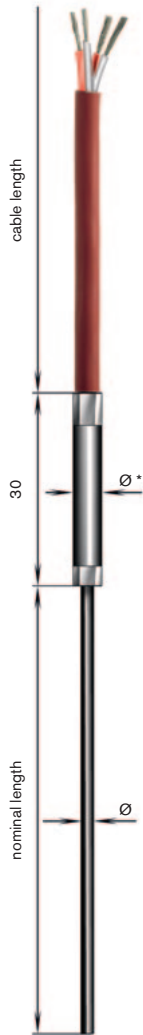


# RESISTANCE THERMOMETERS

## RTD 504

Mineral insulated resistance thermometer with Besilen® (silicone) connection cable BiHF

RTD:	Pt 100 acc. to DIN EN 60751
sheath material:	mat. no. 1.4541
measuring range:	-50 up to +400°C and -50 up to +600°C



### RTD:

- 1 x Pt 100 class B       2 x Pt 100 class B  
 1 x Pt 100 class A       2 x Pt 100 class A

### CIRCUIT OF INNER WIRES:

- 2-wire circuit       3-wire circuit       4-wire circuit

### SHEATH - Ø:

- 1,5 mm     3,0 mm     4,5 mm     6,0 mm     other sheath-Ø \_\_\_\_\_

### TYPE OF CABLE ENDS:

- bare ends                       cable lugs M4  
 end sleeves                     tinned  
 other cable ends \_\_\_\_\_

### CONNECTION CABLE:

- 1,0 m     2,5 m     5,0 m  
 1,5 m     3,0 m     10,0 m  
 2,0 m     4,0 m     other lengths \_\_\_\_\_

### MEASURING RANGE:

- 50 up to +400°C with kink protection  
 -50 up to +600°C with kink protection  
 -50 up to +400°C without kink protection  
 -50 up to +600°C without kink protection

NOMINAL LENGTH: \_\_\_\_\_ mm

\*type of sleeve corresponds to sheath-Ø and connection cable



**Sheath-Ø: 1,5 mm  
on request**

### CONNECTION CABLE BiHF

Construction	
Insulation:	Besilen® (silicone)
Stranding:	in layers
Sheath-material:	Besilen® (silicone)
Cable section:	0,25 mm <sup>2</sup>

Besilen® is a specially developed Silicone rubber-based material with good electrical characteristics and it is a registered trademark of SAB Bröckskes GmbH & Co. KG.

Technical data	
Min. bending radius:	fixed laying: 4 x d flexible application: 6 x d
Temp. range of insulation:	flexible application: -25°C/+180°C fixed laying: -40°C/+180°C short-term: +250°C
Radiation resistance:	8 x 10 <sup>7</sup> cJ/kg
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 und EN 60332-1-2.
Corrosiveness of conflagration gases:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 are accomplished – no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union