

Connection cables for RTD



Application

Outstanding features

- hochtemperaturbeständig
- geringer Durchmesser

Construction

<p>Conductor</p>	<p>tinned copper RTD sensor cable 180 TW RTD sensor cable 180 C TW RTD sensor cable 180 flex RTD sensor cable 180 C flex RTD sensor cable 180 highflex RTD sensor cable 180 C highflex</p> <p>nickel-plated copper RTD sensor cable 250 TW RTD sensor cable 250 C TW</p>
<p>Insulation</p>	<p>FEP RTD sensor cable 180 TW RTD sensor cable 180 C TW RTD sensor cable 180 flex RTD sensor cable 180 C flex</p> <p>PFA RTD sensor cable 250 TW RTD sensor cable 250 C TW</p> <p>Besilen® RTD sensor cable 180 highflex RTD sensor cable 180 C highflex</p>
<p>Colour code</p>	<p>2 x 26/7 AWG: red / white 3 x 26/7 AWG: red / red / white 4 x 26/7 AWG: red / red / white / white</p>
<p>Screen</p>	<p>tinned copper braiding</p>

	<p>RTD sensor cable 180 C TW RTD sensor cable 180 C flex RTD sensor cable 180 C highflex</p> <p>nickel-plated copper braiding RTD sensor cable 250 C TW</p> <p>no screen RTD sensor cable 180 TW RTD sensor cable 180 flex RTD sensor cable 250 TW RTD sensor cable 180 highflex</p>
Sheath material	<p>FEP RTD sensor cable 180 TW RTD sensor cable 180 C TW</p> <p>Besilen® RTD sensor cable 180 flex RTD sensor cable 180 C flex RTD sensor cable 180 highflex RTD sensor cable 180 C highflex</p> <p>PFA RTD sensor cable 250 TW RTD sensor cable 250 C TW</p>
Sheath colour	<p>black RTD sensor cable 180 TW RTD sensor cable 180 C TW</p> <p>red RTD sensor cable 180 flex RTD sensor cable 180 C flex RTD sensor cable 180 highflex RTD sensor cable 180 C highflex</p> <p>white RTD sensor cable 250 TW RTD sensor cable 250 C TW</p>

Technical data

Peak operating voltage	48 V
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Testing voltage	core/core 600 V core/screen 600 V
Min. bending radius	fixed laying: 15 x d flexible application: 10 x d
Temperature range	<p>fixed laying: -40/+180 °C flexible application: -25/+180 °C RTD sensor cable 180 flex RTD sensor cable 180 C flex RTD sensor cable 180 highflex RTD sensor cable 180 C highflex</p> <p>fixed laying: -90/+180 °C flexible application: -55/+180 °C RTD sensor cable 180 TW RTD sensor cable 180 C TW</p> <p>fixed laying: -90/+250 °C flexible application: -55/+250 °C RTD sensor cable 250 TW RTD sensor cable 250 C TW</p>
Absence of harmful substances	gemäß RoHS-Richtlinie der Europäischen Union

Dimensions

Cable type	No. of cores x cross section	Approx. outer-ø	Copper figure	Cable weight ≈
RTD sensor cable 180 TW	2 x 26/7 AWG	1,9 mm	2,8 kg/km	6,1 kg/km
RTD sensor cable 180 TW	3 x 26/7 AWG	2,0 mm	4,2 kg/km	8,0 kg/km
RTD sensor cable 180 TW	4 x 26/7 AWG	2,2 mm	5,6 kg/km	10,1 kg/km
RTD sensor cable 180 C TW	2 x 26/7 AWG	2,5 mm	9,8 kg/km	12,7 kg/km
RTD sensor cable 180 C TW	3 x 26/7 AWG	2,6 mm	11,3 kg/km	14,7 kg/km
RTD sensor cable 180 C TW	4 x 26/7 AWG	2,8 mm	15,9 kg/km	19,0 kg/km

Cable type	No. of cores x cross section	Approx. outer- ϕ	Copper figure	Cable weight \approx
RTD sensor cable 180 flex	2 x 26/7 AWG	2,5 mm	2,8 kg/km	8,7 kg/km
RTD sensor cable 180 flex	3 x 26/7 AWG	2,6 mm	4,2 kg/km	10,5 kg/km
RTD sensor cable 180 flex	4 x 26/7 AWG	2,8 mm	5,6 kg/km	12,7 kg/km
RTD sensor cable 180 C flex	2 x 26/7 AWG	3,0 mm	9,8 kg/km	14,1 kg/km
RTD sensor cable 180 C flex	3 x 26/7 AWG	3,1 mm	11,3 kg/km	16,1 kg/km
RTD sensor cable 180 C flex	4 x 26/7 AWG	3,3 mm	15,9 kg/km	20,4 kg/km
RTD sensor cable 250 TW	2 x 26/7 AWG	1,9 mm	2,8 kg/km	6,1 kg/km
RTD sensor cable 250 TW	3 x 26/7 AWG	2,0 mm	4,2 kg/km	8,0 kg/km
RTD sensor cable 250 TW	4 x 26/7 AWG	2,2 mm	5,6 kg/km	10,1 kg/km
RTD sensor cable 250 C TW	2 x 26/7 AWG	2,5 mm	9,8 kg/km	12,9 kg/km
RTD sensor cable 250 C TW	3 x 26/7 AWG	2,6 mm	11,3 kg/km	14,9 kg/km
RTD sensor cable 250 C TW	4 x 26/7 AWG	2,8 mm	15,9 kg/km	19,3 kg/km
RTD sensor cable 180 highflex	2 x 26/7 AWG	3,2 mm	2,8 kg/km	12,1 kg/km
RTD sensor cable 180 highflex	3 x 26/7 AWG	3,3 mm	4,2 kg/km	14,0 kg/km
RTD sensor cable 180 highflex	4 x 26/7 AWG	3,6 mm	5,6 kg/km	16,8 kg/km
RTD sensor cable 180 C highflex	2 x 26/7 AWG	3,6 mm	13,1 kg/km	19,2 kg/km
RTD sensor cable 180 C highflex	3 x 26/7 AWG	3,8 mm	14,6 kg/km	21,4 kg/km

Cable type	No. of cores x cross section	Approx. outer-ø	Copper figure	Cable weight ≈
RTD sensor cable 180 C highflex	4 x 26/7 AWG	4,1 mm	19,4 kg/km	27,0 kg/km

Other dimensions and colours are possible on request.