


























# SURVEY COMPENSATING AND EXTENSION CABLES / CONNECTION CABLES FOR RESISTANCE THERMOMETERS

SAB item no.	Picture	Cable type	T/C type	Insulation	Section	Cond.	Form	Outer-Ø	Temp.-range of insulation	thermoelectric voltage
<b>fibre-glass insulated thermo-cables (wire)</b>										
0489-9002		thermo-cable	type K	GL/GL	2 x 0,2 mm	wire	oval	approx. 0,8 x 1,3 mm	flexible: -25°C upto +200°C fixed: -25°C upto +200°C	DIN IEC 584 class 1, tolerance +/- 1,5°C
0489-2144		thermo-couple-cable	type K	GL/GL	2 x 0,5 mm	wire	oval	approx. 1,9 x 1,1 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1
0489-9003		thermo-cable	type K	GL/GL	2 x 0,8 mm	wire	oval	approx. 2,5 x 1,4 mm	flexible: -25°C upto +200°C fixed: -25°C upto +200°C	DIN IEC 584 class 1
0490-9016		thermo-couple-cable	type K	GL/GL	2 x 0,5 mm	wire	oval	approx. 2,0 x 1,2 mm	flexible: max. +400°C fixed: max. +400°C	DIN IEC 584 class 1
<b>polyimide insulated thermo-cables (wire)</b>										
0433-9138		thermo-couple-cable	type K	KN-Polyimid KP-blank/Polyimid	2 x 0,2 mm	wire	oval	approx. 0,9 x 0,5 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1, tolerance +/- 1,5°C
0433-9186		thermo-couple-cable	type K	KN-Polyimid KP-blank/Polyimid	2 x 0,2 mm	wire	oval	approx. 0,7 x 0,5 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1, tolerance +/- 1,5°C
0433-9149		thermo-couple-cable	type K	Polyimid + PTFE/Polyimid	2 x 0,3 mm	wire	oval	approx. 0,9 x 1,7 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1, tolerance +/- 1,5°C
0433-9168		thermo-couple-cable	type K	KN-Polyimid KP-PTFE/Polyimid	2 x 0,2 mm	wire	oval	approx. 1,0 x 0,8 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1
<b>polyimide/PFA insulated thermo-cables (wire)</b>										
0433-9196		thermo-couple-cable	type K	KN-Polyimid KP blank/Polyimid/PFA	2 x 0,2 mm	wire	round	max. 1,0 mm	flexible: -40°C upto +250°C fixed: -40°C upto +250°C	DIN IEC 584 class 1
<b>FEP insulated thermo-cables (wire)</b>										
0433-9152		thermo-couple-cable	type K	FEP/FEP	2 x 0,2 mm	wire	oval	approx. 1,7 x 1,1 mm	flexible: -40°C upto +180°C fixed: -40°C upto +180°C	DIN IEC 584 class 1
<b>TPE insulated thermo-cable (strands)</b>										
0433-9177		thermo-couple-cable	type K	TPE/TPE	2 x 0,2 mm <sup>2</sup>	strands	round	approx. 3,0 mm	flexible: -40°C upto +90°C fixed: -40°C upto +90°C	DIN IEC 584 class 1
<b>FEP/Besilen® insulated thermo-cables (strands)</b>										
0433-9193		thermo-cable	type K	FEP/FEP/Bi	2 x 0,2 mm <sup>2</sup>	strands	round	approx. 3,8 mm	flexible: -25°C upto +180°C fixed: -40°C upto +180°C	DIN IEC 584 class 2

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<b>FEP/Besilen® connection cables for resistance thermometers (strands)</b>										
0470-9224		connection cable	tinned copper strands copper figure: 2,7 kg/km	FEP/Bi	2 x 0,14 mm <sup>2</sup>	strands	round	approx. 2,8 mm	flexible: -25°C up to +180°C fixed: -40°C up to +180°C	
0470-0423		connection cable	tinned copper strands copper figure: 8,4 kg/km	FEP/Bi	4 x 0,22 mm <sup>2</sup>	strands	round	approx. 3,9 mm	flexible: -25°C up to +180°C fixed: -40°C up to +180°C	
3833-9132		connection cable	tinned copper strands copper figure: 19,3 kg/km	FEP/C/ FEP	4 x 0,22 mm <sup>2</sup>	strands	round	approx. 3,0 mm	flexible: -55°C up to +180°C fixed: -90°C up to +180°C	
<b>FEP insulated thermo-cables (strands)</b>										
0433-9240		thermo-couple-cable	type K	FEP	2 x 0,20 mm	wire	round	approx. 1,0 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584, class 1
0433-9157		thermo-cable	type K	FEP/FEP	2 x 0,22 mm <sup>2</sup>	strands	oval	approx. 2,5 x 1,5 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584, tolerance +/- 1°C
0433-9137		thermo-cable	type K	FEP/FEP	2 x 0,22 mm <sup>2</sup>	strands	round	approx. 2,0 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584, tolerance +/- 1°C
0433-9154		thermo-cable	type K	FEP/FEP	8 x 2 x 0,22 mm <sup>2</sup> twisted pair	strands	round	approx. 6,4 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584 class 2
0435-9129		thermo-cable	type K	FEP/C/ FEP	8 x 2 x 0,22 mm <sup>2</sup> twisted pair	strands	round	approx. 6,9 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584 class 2
0433-9135		thermo-cable	type K	FEP/FEP	16 x 2 x 0,22 mm <sup>2</sup> twisted pair	strands	round	approx. 7,7 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584 class 2
0435-9135		thermo-cable	type K	FEP/C/ FEP	16 x 2 x 0,22 mm <sup>2</sup> twisted pair	strands	round	approx. 8,3 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584 class 2
0435-9085		thermo-couple-cable	type K	FEP-F-ZF-D(B)- FEP/F-C(B)-FEP	8 x (2 x 0,5 mm)D	strands	round	approx. 11,0 mm	flexible: -55°C up to +180°C fixed: -90°C up to +180°C	DIN IEC 584 class 1
<b>FEP insulated thermo-cables with screening (strands)</b>										
0435-9037		thermo-cable	type K	FEP/C/ FEP	2 x 0,22 mm <sup>2</sup>	strands	round	approx. 2,6 mm	flexible: -25°C up to +180°C fixed: -25°C up to +180°C	DIN IEC 584, tolerance +/- 1,5°C
<b>Besilen® insulated thermo-cables (strands)</b>										
0451-9019		thermo-cable	type K	GL/ Silicone	2 x 0,22 mm <sup>2</sup>	strands	round	approx. 3,2 mm	flexible: -25°C up to +200°C fixed: -25°C up to +200°C	DIN IEC 584 class 1