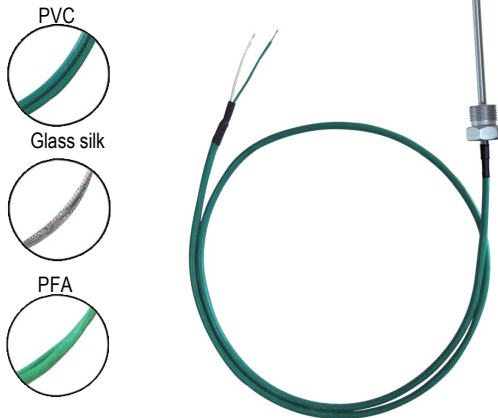


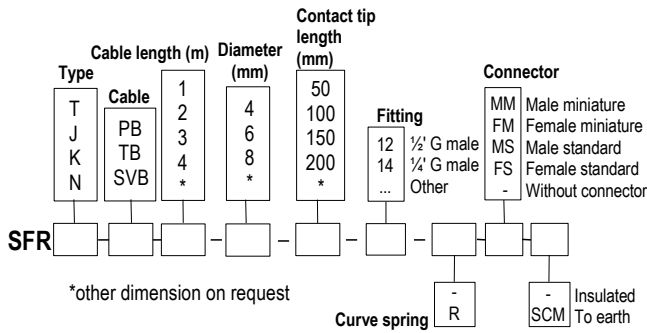
**Cable thermocouple
temperature sensor
with fitting of fixation**

SFR K / SFR KI

- Thermocouple types T, J, K and N
- Measuring range from **-40 °C to +1000 °C**
- Mounting with 316 L stainless steel contact tip or inconel[®] 600



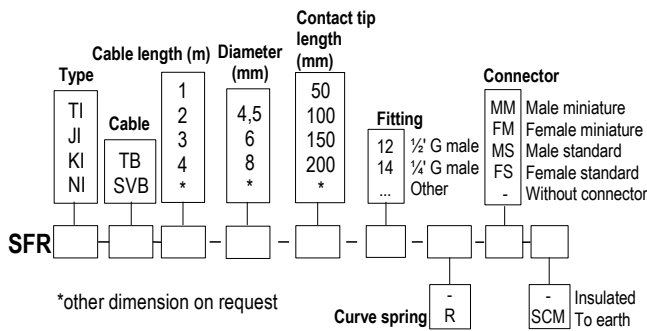
STAINLESS STEEL CONTACT TIP 550 °C MAX. PART NUMBERS



Example: SFRJ-SVB-4-4-150-12-R-MM-SCM

Model: J type thermocouple temperature probe welded to earth with contact tip of 150 mm and 4 mm Ø mounted on shielded glass silk cable of 4 m with a male miniature connector on the end. ½' G male compression fitting and curve spring.

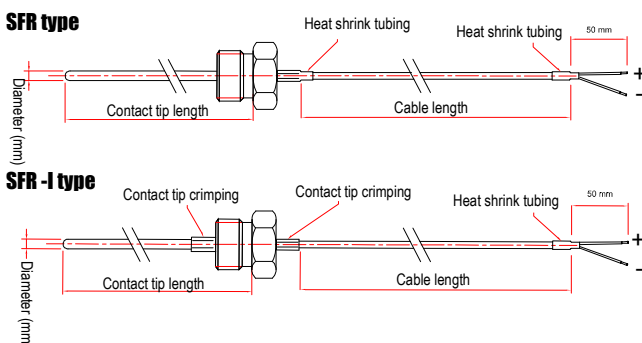
LINED CONTACT TIP 1000 °C MAX. PART NUMBERS



Example: SFRJI-SVB-4-45-150-12-R-MM-SCM

Model: J type thermocouple temperature probe in inconel[®] welded to earth with contact tip of 150 mm, 4,5 mm Ø mounted on shielded glass silk cable of 4 m with a male miniature connector on the end. ½' G male compression fitting and curve spring.

DIMENSIONS



TECHNICAL FEATURES

Working temperature	<p>For SFR series From -40 °C to +105 °C for PVC output From -40 °C to +260 °C for TB output From -40 °C to +400 °C for SVB output From -40 °C to +550 °C for SVB (Tc K) output</p> <p>For SFR-I series, lined mountings From -40 °C to +350 °C for Tc T From -40 °C to +750 °C for Tc J From -40 °C to +1000 °C for Tc k From -40 °C to +1000 °C for Tc N</p>
Accuracy* for class 1	See "Tolerances" table
Mounting of welding	Insulated hot welding in standard Add SCM to part number for a mounting with hot welding to earth.
Storage temperature	From -20 °C to +80 °C
Output	Stripped wires, male miniature connector or standard on request.
Compression fitting	316 L stainless steel
Thread	½ or ¼ gas
Contact tip	316 L stainless steel or inconel [®] 600 Curve spring as option



Recommended temperature According to inconel[®] 600 contact tip Ø

- From 0.5 to 1 mm Ø: until 300 °C
- From 1.5 to 2 mm Ø: until 750 °C
- 3 mm Ø: until 900 °C
- From 4.5 to 8 mm Ø: until 1000 °C

TOLERANCES* OF THE PROBE

As per IEC 584-3 norm

TC	Measuring range Class 1	TOLERANCE
T	From -40 °C to +350 °C	From -40 °C to +125 °C ± 0.5 °C From 125 °C to +350 °C ± 0.004 x T° abs
J	From -40 °C to +750 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 750 °C ± 0.004 x T° abs
K	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C ± 0.004 x T° abs
N	From -40 °C to +1000 °C	From -40 °C to +375 °C ± 1.5 °C From 375 °C to 1000 °C ± 0.004 x T° abs

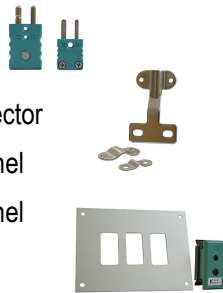
* Performed in laboratory conditions, the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

MOST COMMON THERMOCOUPLE TYPES

THERMOCOUPLE TYPE	+ CONDUCTOR	- CONDUCTOR	COLOR OF COMPENSATING CABLE
K	Nickel-Chrome 10%	Nickel-Aluminium 5% -Silicium	Ext. colour + = GREEN, - = WHITE
T	Copper	Copper-Nickel	Ext. colour + = BROWN, - = WHITE
J	Iron	Copper-Nickel	Ext. colour + = BLACK, - = WHITE
N	Nickel 84,4% Chromium 14,2% Silicium 1,4%	Nickel 95,6% Silicium 4,4%	Ext. colour + = PINK, - = WHITE
R	Platinum-Rhodium 13%	Platinum	Ext. colour + = ORANGE, - = WHITE
S	Platinum-Rhodium 10%	Platinum	Ext. colour + = ORANGE, - = WHITE
B	Platinum-Rhodium 30%	Platinum-Rhodium 6%	Ext. colour + = GREY, - = WHITE

ACCESSORIES (SEE DATASHEET)

- Extension cable
- Compensating cable
- Standard or miniature connector
- Cable seal for plug and socket connector
- Miniature or standard connectors panel
- Miniature or standard connectors panel
- Extension lead
- Converters



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