

DATA SHEET

# SF 50

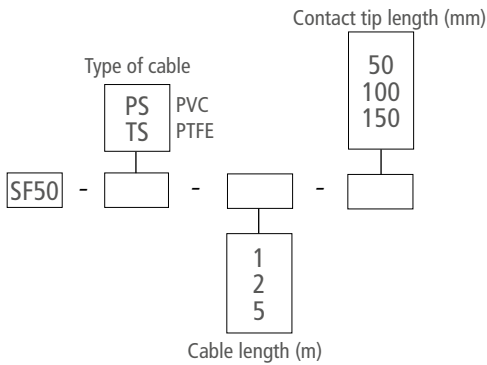
## Cable temperature probe with resistive element



Laboratory or on-site calibration options available

### Part number

To order, just add the codes to complete the part number.



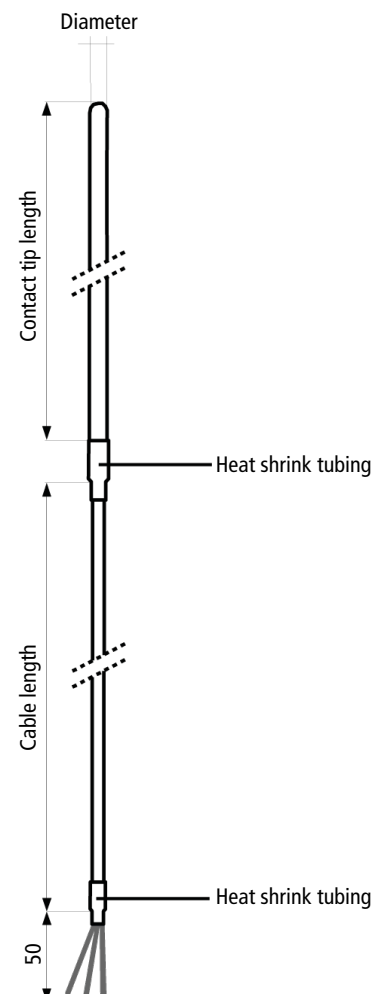
Example: SF50-PS-1-100  
 Model: Pt100 Class A temperature probe, 3 wires, PVC cable of 1 m length. Ø6 mm stainless steel contact tip, 100 mm length.  
 Measuring range from -40 to +105°C.

### Technical features

Operating temperature (According to cable)	From -50°C to +260°C (Pt100)
Accuracy	As per IEC 60751 (2008) (see table page 2)
Type of sensor	Pt100: class A as per IEC 60751 (2008)
Response time* T <sub>63</sub>	16 seconds
Operating temperature of the cable	PVC: from -40°C to +105°C PTFE: from -50°C to +260°C
Contact tip	316 L stainless steel
Number of output wires	3
Storage temperature	From -20°C to +80°C

\*Response time carried out in a heated bath.

### Probe dimensions (mm)



## Tolerances of Pt100 probes as per IEC 60751 (2008)

Temp °C	Tolerances (class A)	
	± °C	± Ohms
-100	0.35	0.14
-50	0.25	0.1
0	0.15	0.06
100	0.35	0.13
200	0.55	0.2
300	0.75	0.27
400	0.95	0.33

## Accessories (see specific data sheet)

- Transmitter output 4/20 mA
- Mounting support
- Thermo-conducting silicone grease
- Calibration certificate
- Thermowells