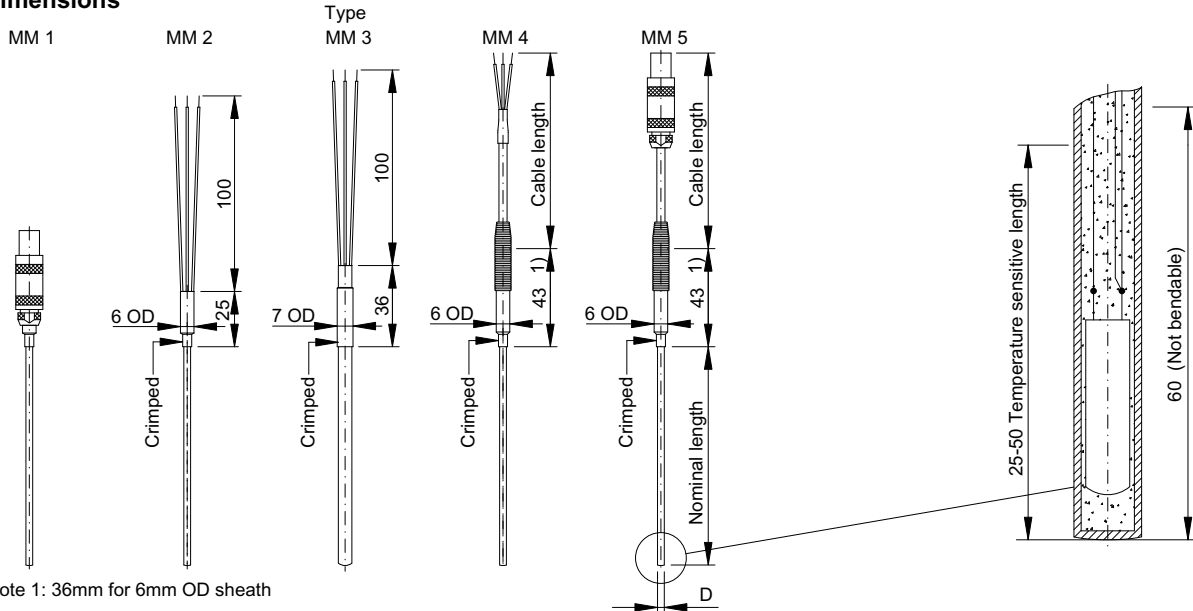


Dimensions



Note 1: 36mm for 6mm OD sheath

Properties for cable

Insulation	Temperature range	Application
PVC	- 5 + 70°C	General use
Silicone	-50 +180°C	Flexible, heat resistance
Teflon (FEP)	-50 +200°C	Corrosion and heat resistance
GLGLO, Fibreglass+steel braid	-20 +400°C	High temperature, not water tight

Properties for mineral insulated cable

Used in	W.no. 1.4571 max. 800°C
Liquids	Recommended
Acid	Recommended
Sulphur atmospheres	Suitable
Chlorine atmospheres	Suitable
Oxidizing atmospheres	Recommended
Reducing atmospheres	Not recommended
Carburizing atmospheres	Not recommended

Bending radius
Min. bending is
5 x D @ repeatable bendings
2 x D @ stationary bending

Insulation resistance

Depending of temperature, length and diameter

Diameter mm	U Voltage	Rmin M ohm x m
3 - 6	100	100

Note:
The insulation resistance is dependent upon the length of the cable.
Therefore, it is listed as a length related resistance in Mohm x m for length > 1 meter and Mohm for length <1 meter

Thermoelectric influence

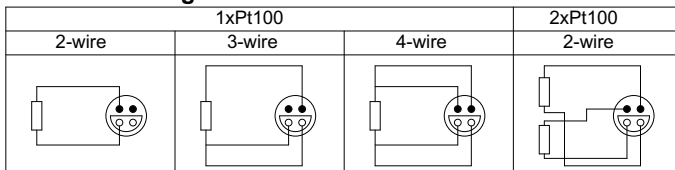
Thermoelectric voltage < 10 µV @ 200°C

Response time

Sheath diameter	Response time in seconds (guidelines)			
	In water @ 0.4m/sec.		In air @ 2m/sec.	
	t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}
3.0	2	7	36	94
4.5	4	12	42	126
6.0	7	20	48	151

Note:
The 0.5/0.9 time is the time that it takes the sensor to reach 50%/90% of the final value of a temperature change of a medium.
If media and velocity are different from the ones stated, the time can change significantly.

Connection diagram - connector



Connection diagram - cable

PVC w/screen Screen connected to outer sheath		Teflon w/screen Screen connected to outer sheath		Silicone		GLGLO	
1xPt100 2- 3- 4-wire	2xPt100 2-wire	1xPt100 2- 3- 4-wire	2xPt100 2-wire	1xPt100 2- 3- 4-wire	2xPt100 2-wire	1xPt100 2- 3- 4-wire	2xPt100 2-wire
Green Yellow White Brown	Green Yellow White Brown	Red Red/green White/green White	Red Red/green White/green White	Blue Yellow Red White	Blue Yellow Red White	White White White White	White White White White