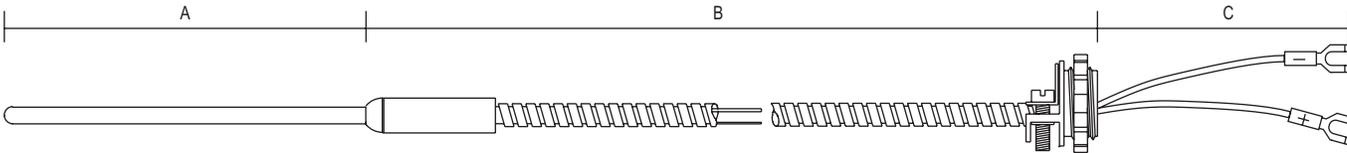


MINERAL INSULATED THERMOCOUPLES AND RTD'S

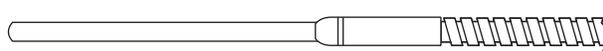


MINERAL INSULATED TRANSITIONS

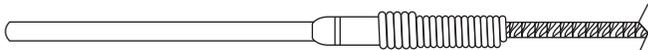
Due to the varying size of connection wire and cable, a transition fitting is used between the cold end of the sheath and the connecting wires. This fitting measures 1-1/4" long by 1/4" OD for 1/8" or smaller sheaths, and 1-1/2" long by 3/8" OD for 3/16" and 1/4" sheaths. Larger sheaths and sheaths terminating in connectors other than wire or cable do not require transition fittings.



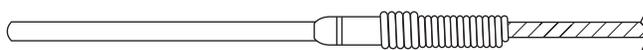
Basic Sheath Configuration



Sheath and Transition Fitting (when made with Flex Hose)



Sheath and Transition Fitting (when made with SS Overbraided Wire)



Sheath and Transition Fitting (when made with Fiberglass Wire)



SERIES R & 8 Mineral Insulated Thermocouples and RTDs are known for their excellent mechanical durability and resistance to electrical breakdown. Mineral Insulated Thermocouples can be bent to most any angle without special equipment.

MODEL CODING

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

SENSOR TYPE		RTD TYPE		EXTENSION			SENSOR BEND	
TYPE		TYPE		TYPE			O.D.	
6 – 100 Ω RTD: 0.00385 Ω/°C		2 – 2-Wire; Class B		0 – Fiberglass Singles			1 – None	
4 – 100 Ω RTD: 0.00392 Ω/°C		3 – 3-Wire; Class B		1 – Fiberglass Insulation			2 – 45°	
		4 – 4-Wire; Class B		2 – Fiberglass Insulation w/ SS Flex Hose			3 – 90°	
		5 – 2-Wire; Class A		3 – Fiberglass Insulation w/ SS Overbraided			4 – 1/4"	
		6 – 3-Wire; Class A					5 – 3/8"	
		7 – 4-Wire; Class A						

A		AA		B		C	
IN 1/10 INCH		IN 1/10 INCH		IN INCHES		IN INCHES	
<input type="text"/>							
<input type="text"/>							

HEAD ASSEMBLY OPTIONS (3/4" NPT Conduit Connection)

- E – Screw Cover Head, AL w/ No Process Connection
- F – Screw Cover Head, Plastic w/ No Process Connection
- G – Screw Cover Head, SS w/ No Process Connection
- H – Snap Cover Head, AL w/ No Process Connection
- I – Screw Cover Head, AL w/ 1/2" NPT Process Connection
- J – Screw Cover Head, Plastic w/ 1/2" NPT Process Connection
- K – Screw Cover Head, SS w/ 1/2" NPT Process Connection
- L – Snap Cover Head, AL w/ 1/2" NPT Process Connection
- M – Screw Cover Head, AL w/ 3/4" NPT Process Connection
- N – Screw Cover Head, Plastic w/ 3/4" Process Connection
- P – Screw Cover Head, SS w/ 3/4" Process Connection
- Q – Snap Cover Head, AL w/ 3/4" Process Connection

- | | | | | |
|---------------------------------------|-----------------|----------------------|--------------------|-------------|
| SENSOR TERMINALS | ELEMENTS | JUNCTION TYPE | SENSOR O.D. | BEND |
| 0 – Stripped Ends | 1 – Single | 1 – Grounded | 1 – 1/16" | 1 – None |
| 1 – Leads With #6 Spade Lugs | 2 – Dual | 2 – Ungrounded | 2 – 1/8" | 3 – 90° |
| 2 – Leads With #6 Spade Lugs & 1/2 BX | 3 – Exposed Tip | 3 – Exposed Tip | 3 – 3/16" | |
| 3 – Standard Plug | | | 4 – 1/4" | |
| 4 – Standard Jack | | | 5 – 3/8" | |
| 6 – Mini Plug | | | | |
| 7 – Mini Jack | | | | |
| 8 – Leads With 1/4" Fastabs | | | | |
| 9 – Leads With 1/4" Fastabs 1/2" BX | | | | |
| A – 1/2" NPT Hex Nipple (316SS) | | | | |
| B – 3/4" NPT Hex Nipple (316SS) | | | | |
| C – 1/2" NPT Hex Bushing (316SS) | | | | |
| D – 3/4 NPT Hex Bushing (316SS) | | | | |
- See table for **HEAD ASSEMBLY OPTIONS**

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