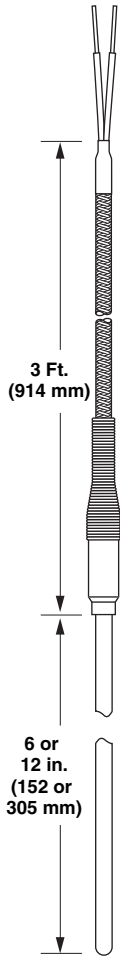


# Thermocouples

## Mineral Insulated

### Metal Transitions with Spring Strain Relief Styles AF



### Rapid Ship Sensors

Rapid Ship sensors come with three feet of stranded conductor FEP insulated flexible lead, split lead termination, ungrounded junction, 149°C (300°F) potting. See page 166 to order additional connector hardware.

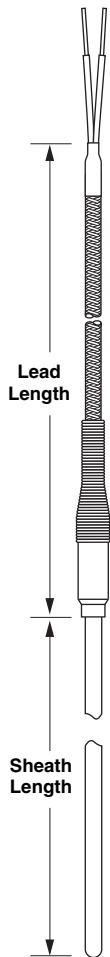
Calibration	Sheath Material	Sheath Diameter		Sheath Length	
				in. (mm)	in. (mm)
J	316 SS	0.063	(1.6)	6 (152)	12 (305)
		0.125	(3.2)	AFGD0TF060UJ030	AFGD0TF120UJ030
		0.188	(4.8)	AFHD0TF060UJ030	AFHD0TF120UJ030
		0.250	(6.4)	AFJD0TF060UJ030	AFJD0TF120UJ030
K	Alloy 600	0.063	(1.6)	AFED0TQ060UK030	AFED0TQ120UK030
		0.125	(3.2)	AFGD0TQ060UK030	AFGD0TQ120UK030
		0.188	(4.8)	AFHD0TQ060UK030	AFHD0TQ120UK030
		0.250	(6.4)	AFJD0TQ060UK030	AFJD0TQ120UK030

See next page for custom ordering information.

# Thermocouples

## Mineral Insulated

### Metal Transitions with Spring Strain Relief Styles AF (Con't)



<sup>①</sup>Stranded lead wire available only for sheath O.D. 0.063 to 0.500 inch.  
<sup>②</sup>1000°F potting not recommended with FEP insulated wire.

**Note:** 149°C (300°F) potting standard

**Custom Ordering Information**—Items in **Bolded Green Type** are preferred with shorter lead times.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	<b>A</b>	<b>F</b>													
<b>2. Style</b>															
<b>F = Metal transition with strain relief and 149°C (300°F) potting</b>															
<b>3. Sheath O.D. (inch)</b>															
A = 0.010 <b>E = 0.063</b>															
B = 0.020 <b>G = 0.125</b>															
C = 0.032 <b>H = 0.188</b>															
D = 0.040 <b>J = 0.250</b>															
<b>4. Lead Wire Construction</b>															
	Stan- dard	Over- braid	Flex Armor												
Fiberglass    Solid	A	J	R												
FEP            Solid	C	L	T												
Fiberglass    Stranded <sup>①</sup>	<b>B</b>	<b>K</b>	S												
FEP            Stranded <sup>①</sup>	<b>D</b>	M	U												
<b>5. Fittings, Weld Pads</b>															
If required, enter order code from pages 39-40. If none, enter "0".															
<b>6. Lead Wire Termination</b>															
<b>A = Standard male plug</b>															
B = Standard female jack															
C = Standard plug with mating connector															
F = Miniature male plug															
G = Miniature female jack															
H = Miniature plug with mating connector															
<b>T = Standard, 1 ½ inch split leads</b>															
U = 1 ½ inch split leads with spade lugs															
W = 1 ½ inch split leads with BX connector and spade lugs															
<b>7. Sheath Material</b>															
A = 304 SS <b>Q = Alloy 600 (Type K)</b>															
<b>F = 316 SS</b>															
C = PFA coated over SS (available on G, H and J diameter)															
<b>8-9. Sheath Length "L" (whole inches)</b>															
<b>03, 06, 12, 18, 24</b>															
Available lengths: 01 to 99, over 99 consult factory. Maximum length for PFA coating is 48 inches.															
<b>10. Sheath Length "L" (fractional inch)</b>															
<b>0 = 0    1 = ¼    2 = ½    3 = ¾    4 = 1    5 = 1 ¼    6 = 1 ½    7 = 1 ¾</b>															
<b>11. Junction</b>															
	Grounded	Ungrounded	Exposed												
Single	<b>G</b>	<b>U</b>	E												
Dual	H	W (isolated)	D (isolated)												
<b>12. Calibration</b>															
	E	J	K	N	T										
Standard limits	E	<b>J</b>	<b>K</b>	N	<b>T</b>										
Special limits	2	3	4	—	8										
<b>13-14. Lead Wire Length "E" (whole feet)</b>															
<b>03, 04, 06, 08, 10</b>															
Available lengths: 01 to 30, over 30 consult factory															
<b>15. Special Requirements</b>															
<b>0 = None</b>															
H = High temperature 538°C (1000°F) potting															
M = 260°C (500°F) potting															
X = Special requirements, consult factory															

Thermocouples