

PFA 260°C THERMOCOUPLE WIRE

APPLICATIONS

- Temperature Sensors
- Aerospace
- Petrochemical Plants

RATINGS

- Flame Retardant
- Passes IEEE 383 Flame Test
- Passes VW-1 Flame Test

SPECIFICATIONS

Conductor: Solid or stranded thermocouple grade wire per ASTM E230 & ANSI MC96.1

Construction: Parallel Conductors

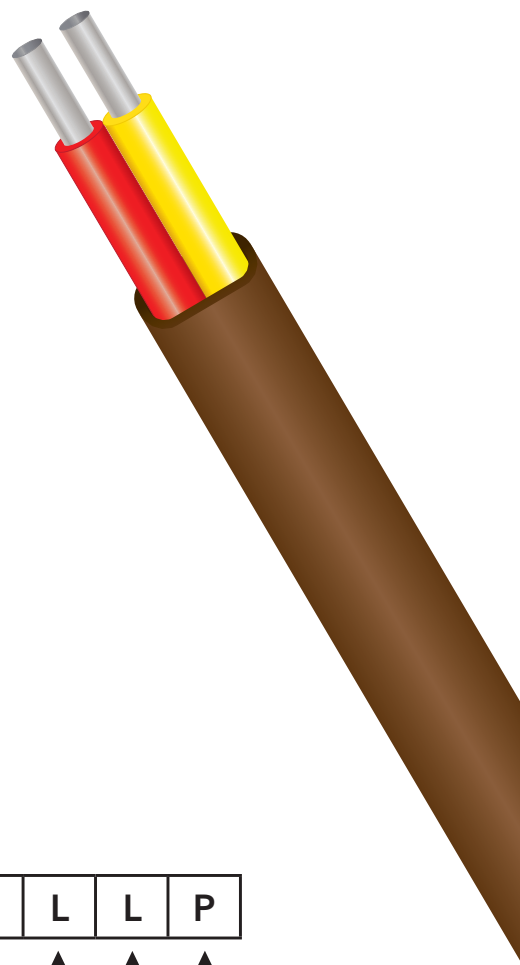
Insulation: Flame retardant extruded fluoropolymer PFA

Overbraid (Optional): Stainless Steel

Jacket: Flame retardant extruded fluoropolymer PFA

Color Code: Conforms to ASTM E230 & ANSI MC96.1

RTD constructions available. Please consult factory for more information.



ORDERING CODE

Example:

X X - X - X - P L L P

Thermocouple Type	
J	= Type J Thermocouple
K	= Type K Thermocouple
JX	= Type J Extension Wire
KX	= Type K Extension Wire
RSX	= Type RS Extension Wire

AWG Size	
24-14	

Metallic Overbraid	
0	= None
1	= Stainless Steel

Insulation	
F	= FEP
P	= PFA

Jacket	
F	= FEP
P	= PFA

Conductor Type/Tolerance	
1	= Thermocouple grade, solid wire, standard tolerance
2	= Thermocouple grade, solid wire, special tolerance
3	= Extension grade, solid wire, standard tolerance
4	= Extension grade, solid wire, special tolerance
5	= Thermocouple grade, stranded wire, standard tolerance
6	= Thermocouple grade, stranded wire, special tolerance
7	= Extension grade, stranded wire, standard tolerance
8	= Extension grade, stranded wire, special tolerance

Lead Configuration	
LL	= Parallel
TW	= Twisted
TS	= Twisted w/ Shield

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SPECIFICATIONS:

Conductor Size	Insulation Thickness		Jacket Thickness		Outer Dia. (OD)		Net Weight	
	AWG	IN	MM	IN	MM	IN	MM	LBS/MF
24	0.008	0.20	0.010	0.25	0.056 × 0.092	1.4 × 2.3	6	9
22	0.008	0.20	0.010	0.25	0.061 × 0.103	1.5 × 2.6	8	12
20	0.008	0.20	0.010	0.25	0.068 × 0.116	1.7 × 2.9	10	15
18	0.008	0.20	0.010	0.25	0.076 × 0.132	1.9 × 3.4	15	22
16	0.008	0.20	0.010	0.25	0.087 × 0.154	2.2 × 3.9	21	31
14	0.008	0.20	0.010	0.25	0.100 × 0.180	2.5 × 4.6	31	46

Initial Calibration Tolerances per ASTM E230 and ANSI MC96.1

Type	Wire Grade	Temperature Range °C	Standard Grade Limits of Error	Special Grade Limits of Error
J	Thermocouple	0°C to 760°C	± 2.2°C or ± 0.75%	± 1.1°C or 0.4%
K	Thermocouple	0°C to 1260°C	± 2.2°C or ± 0.75%	± 1.1°C or 0.4%
JX	Extension	0°C to 200°C	± 2.2°C	± 1.1°C
KX	Extension	0°C to 200°C	± 2.2°C	± 1.1°C
RSX	Extension	0°C to 200°C	± 5°C	N/A



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