

# FEP 200 Shielded

## THERMOCOUPLE WIRE

200C

### APPLICATIONS

FEP 200°C Twisted Shielded pair with drain wire design used in:

- Temperature Sensors
- Aerospace
- Petrochemical Plants

### CONSTRUCTION

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

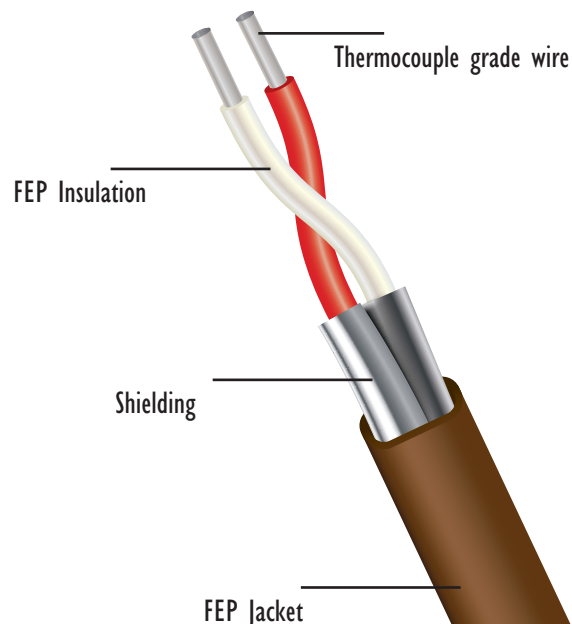
Insulation: Extruded fluorinated ethylene propylene (FEP) fluoropolymer

Overbraid (Optional): Stainless Steel

Jacket: Extruded fluorinated ethylene propylene (FEP) fluoropolymer

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

RTD constructions available. Please consult factory for more information.



### ORDERING CODE

Example:



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

#### COPYRIGHT

This document is protected under copyright law and is the property of Radix Wire and Cable. Data contained herein is confidential to Radix Wire and Cable and this document and/or any part of the data contained herein may not be copied, duplicated or released for manufacturing or sale of equipment outside of Radix Wire and Cable or any affiliates without the prior written authorization of Radix Wire & Cable.

Conductor Size	Insulation Thickness		Jacket Thickness		Outer Dia. (OD)		Net Weight	
	awg	in	mm	in	mm	in	mm	(lbs/Mft)
24	0.008	0.20	0.010	0.25	0.105	2.7	10	15
22	0.008	0.20	0.010	0.25	0.115	2.9	12	18
20	0.008	0.20	0.010	0.25	0.129	3.3	15	22
18	0.008	0.20	0.010	0.25	0.145	3.7	19	28
16	0.008	0.20	0.010	0.25	0.167	4.2	26	38
14	0.008	0.20	0.010	0.25	0.193	4.9	37	55

### 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



26000 Lakeland Boulevard, Euclid, OH 44132

Tel: 216 731-9191 • Fax: 216 731-7082

[www.radix-wire.com](http://www.radix-wire.com)