

Thermocouple & RTD Wire

# Thermo-Trex® Thermocouple Extension Wire

Thermo-Trex® Thermo-Trex® Thermocouple Extension Wire is used to carry the signal from the thermocouple sensor to the monitoring device. It is available in types JX, KX, and RSX with heat resistance in 250°C and 530°C ambient temperatures and in chemically resistant and extreme heat resistant jackets.



Specially Compounded PFA Jacket



Specially Designed Fiberglass Braid Jacket

**Ratings**



**Performance Characteristics**

**PFA Jacket**

- ✓ Excellent Chemical Resistance
- ✓ Bend Radius (Static): 12x Cable O.D.
- ✓ Bend Radius (Dynamic): 15x Cable O.D.

**Fiberglass Jacket**

- ✓ Excellent Heat Resistance
- ✓ Bend Radius (Static) 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

**Engineered to Resist**

- Flexing
- Abrasion
- High Temperature
- Chemicals

**Features & Benefits**

**Specialty Conductor Materials to Match Thermocouple Requirements**

Type JX uses Iron (+) & Constantan (-). Type KX uses Chromel (+) & Alumel (-). Type RSX uses Copper (+) & Copper Alloy (-).

**Conductors Are Color Coded per ANSI Standard Identification**

Provides fast identification of conductors. Easy to read and simplifies installation. Excellent heat resistance.

**250°C Products Feature Specially Compounded PFA Jacket**

Ideal for environments where harsh chemicals are present. Superior resistance to oils, acids, solvents, and chemicals. Excellent defense against cutting and abrasion.

**530°C Products Feature Specially Designed Fiberglass Braid Jacket**

Braided fiberglass jacket impregnated with high-temp finishing compounds to prevent fraying. Provides first line defense against abrasion and high heat.

**Ordering Information**

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Type JX		Type KX		Type RSX		Configuration AWG/Cond	W.T. (lbs) Per 1,000 ft	Ambient Temp. Rating
Part No.	Cable O.D. (in)	Part No.	Cable O.D. (in)	Part No.	Cable O.D. (in)			
46512	0.130	46542	0.130	-	-	22/1 PR	16	250°C (482°F)
46513	0.195	46543	0.195	-	-	22/2 PR	21	
46514	0.170	46544	0.170	46614	0.170	18/1 PR	27	
46515	0.255	46545	0.255	-	-	18/2 PR	40	
46516	0.196	46546	0.196	-	-	16/1 PR	35	
46517	0.290	46547	0.290	-	-	16/2 PR	54	
-	-	-	-	46622	0.277	16/1 PR	47	450°C (842°F)
46524	0.273	46554	0.273	-	-	22/1 PR	38	530°C (986°F)
46525	0.417	46555	0.417	-	-	22/2 PR	77	
46526	0.310	46556	0.310	-	-	18/1 PR	52	
46527	0.460	46557	0.460	-	-	18/2 PR	101	
46528	0.340	46558	0.340	-	-	16/1 PR	59	
46529	0.500	46559	0.500	-	-	16/2 PR	116	