

Thermocouples/RTD

Quick Disconnect Assemblies



Ordering Information

Type	ANSI Color Code	Max. Operating Temperature	Catalog Number
J	Black	1500°F	21238
K	Yellow	1600°F	21239

Note: All selections include standard plug and jack connectors.

Specifications

316 Stainless Steel Best corrosion resistance of the stainless steel grades. Good corrosion resistance in H₂S. Subject to damaging carbide precipitation. 900°-1600°F (482°-871°C) range.

Ungrounded Junction This type of thermocouple junction is fully insulated from the welded sheath end. The ungrounded junction is excellent for applications where stray EMFs would affect the reading and for frequent or rapid temperature cycling. Response time is 2.5 seconds.

Forming The XACTPAK® sheath can be formed around a mandrel twice the sheath diameter.

Metal Transition Assemblies



Ordering Information

Type	ANSI Color Code	Max. Operating Temperature	Catalog Number
J	Black	1500°F	21242
K	Yellow	1600°F	21243
RTD	White	1200°F	21244

Insulated Soft Wire



Soft-wire thermocouples are available in two insulation types. All soft-wire selections have beaded butt welded measurement junctions.

Type	Temperature Rating		Physical Properties		
	Continuous	Single Reading	Abrasion Resistance	Moisture Resistance	Chemical Resistance
Glass Braid	900°F (482°C)	1000°F (538°C)	Fair	Good	Good
Teflon®	400°F (204°C)	500°F (260°C)	Excellent	Excellent	Excellent

Ordering Information

Cat. No.	Description
THJ105	T/C J, 24 Gauge, Fiber Glass Braid, 5 foot
THJ1015	T/C J, 24 Gauge, Fiber Glass Braid, 15 foot
THK105	T/C K, 24 Gauge, Fiber Glass Braid, 5 foot
THK1015	T/C K, 24 Gauge, Fiber Glass Braid, 15 foot
THJ035	T/C J, 20 Gauge, FEP Teflon®, 5 foot
THJ315	T/C J, 20 Gauge, FEP Teflon®, 15 foot

Compression Fitting

This adjustable fitting can be applied at any point along the sheath. It is used to mount a thermocouple assembly at a given depth, or to mount a thermocouple head on an assembly.



Ordering Information

Single Threaded Catalog#	Length	Sheath O.D. Inches	Bore ±0.001 Inches	Male NPT Inches	Hex Across Flats Inches
21253	1-1/4"	3/16	0.194	1/8	1/2

Mouser Electronics

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