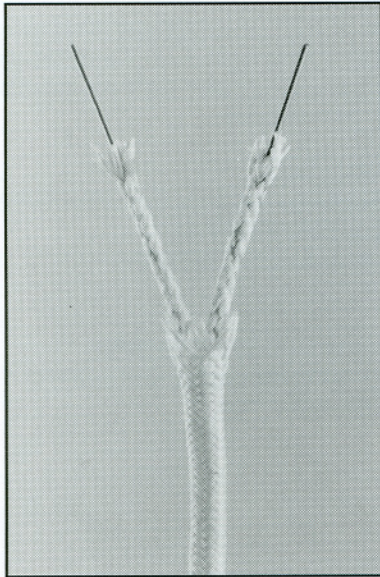
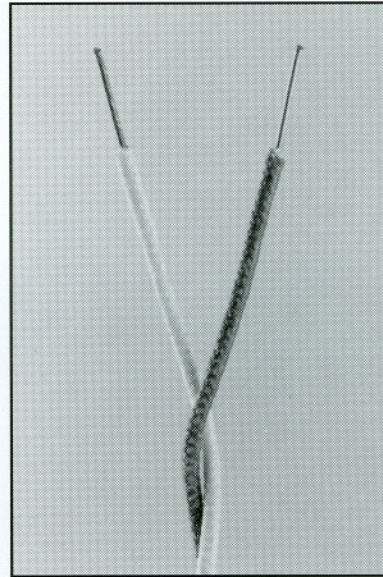


# Thermocouple Wire



**RR** Refrasil (Vitreous Silica)



**STW** High Temp "S" Glass

## PRODUCT DESCRIPTION

High temperature silica fibers are braided on the single conductors as well as the overall jacket. Because saturant is not used, this product is not recommended for abrasive applications. Each conductor as well as the overall jacket is braided with this high temperature yarn to provide maximum flexibility at extremely high temperatures. A tracer is braided into insulation for polarity and calibration identification.

## PERFORMANCE FEATURES

- Designed for continuous use at temperatures to 1800°F (980°C), intermittent use to 2000°F (1095°C).
- Not recommended for applications where insulation may be subject to abrasion.

## APPLICATIONS

- Furnace survey thermocouples
- Heat treating

## PRODUCT DESCRIPTION

A high temperature, high tensile strength, extra heavy fiber glass yarn is braided over each conductor. The insulated, color-coded conductors are impregnated with high-temperature modified resin and twisted to form a pair. This product construction does not include an overall jacket.

## PERFORMANCE FEATURES

- Designed for continuous use at temperatures to 1200°F (650°C), intermittent readings to 1450°F (790°C).
- Good abrasion resistance
- Easily stripped and terminated
- Economically practical for short-duration applications

## APPLICATIONS

- Homogenizing furnaces for billet preheating
- Furnace temperature surveys
- Heat treating

**Insulation Color Code: Positive - Yellow Tracer Negative - Red Tracer Overall - Yellow Tracer**

Order Code	Insulation		AWG No.	Type Wire	Temperature (°F)		Nominal Size (in)	Weight/ 1000 ft.
	Singles	Jacket			Continuous	Intermittent		
K-20-RR	Refrasil	Refrasil	20	Solid	1800	2000	.102 x .168	15
K-24-RR	Refrasil	Refrasil	24	Solid	1800	2000	.090 x .145	5

Calibration:  
ANSI Type K  
Chromel/Alumel

**Insulation Color Code: Positive - White Negative - Red Tracer Overall - Black Tracer**

J-20-RR	Refrasil	Refrasil	20	Solid	1800	2000	.102 x .168	15
---------	----------	----------	----	-------	------	------	-------------	----

Calibration:  
ANSI Type J  
Iron/Constantan

**Insulation Color Code: Positive - Purple Tracer Negative - Red Tracer Overall - White with Purple Tracer**

E-20-RR	Refrasil	Refrasil	20	Solid	1800	2000	.102 x .168	15
---------	----------	----------	----	-------	------	------	-------------	----

Calibration:  
ANSI Type E  
Chromel/Constantan

**Insulation Color Code: Positive - Yellow Negative - Red**

K-20-STW	Hi Temp Fiberglas	None: Single Twisted	20	Solid	1200	1500	.102 x .168	15
----------	-------------------	----------------------	----	-------	------	------	-------------	----

Calibration:  
ANSI Type K  
Chromel/Alumel

**Insulation Color Code: Positive - White Negative - Red**

J-20-STW	Hi Temp Fiberglas	None: Single Twisted	20	Solid	1200	1500	.102 x .168	15
----------	-------------------	----------------------	----	-------	------	------	-------------	----

Calibration:  
ANSI Type J  
Iron/Constantan