



**EMPOWERING PROCESS MANAGEMENT**



**R / S Type FIBER GLASS Insulated & Sheathed Thermocouple Wire Max. Temp. Up to 500 °C**



R TYPE THERMOCOUPLE EXTENSION FIBER GLASS WIRES are generally used to wire is commonly used to link the thermocouple to control instrumentation. or can used to connect to data loggers via thermocouple connectors.

TYPE OF TC	Metal Alloy + ve leg	Metal Alloy – ve leg
Rc / Sc	Copper - Cu	Copper Nickel – Cu Ni

**APPLICATIONS**

- Extension Wires for R & S Type Thermocouple
- Furnaces & Ovens
- Plastic Processing Equipments
- Heat Treatment
- Thermocouple Circuits
- Various Processing Industries

**PRODUCT FEATURES**

- Continuous use up to 400 °C
- Single exposure up to 600 °C
- Good Thermal Durability & Strength
- Flame Retardant
- Superior Abrasion Resistance
- Better flexibility

**PRODUCT SPECIFICATIONS:**

Conductor	Solid or stranded thermocouple original & extension grade wires from 12 AWG to 24 AWG (2.44mm to 0.63mm)
Core Insulation	Braided Fiber Glass with high temperature impregnation *
Construction	Parallel Conductors
No. of Pair	1 (2 Core)
Outer Sheath	Braided Fiber Glass with high temperature impregnation *
SS JACKET	Outside SS Metal Over Braid
Color Coding	Confirms to ANSI MC 96.1 (International Color Codes available), Refer Table

- Impregnation maintained up to 180 °C. Option for supply of wire without impregnation for continuous operation at elevated temperature.
- Optional construction of twisted conductors.
- Duplex construction are also available
- Optional Color coding: IEC 60584 – 3, BS 1843, DIN 13711, JIS C 1610 – 1981, NFC 42334 as per requirement
- Thermocouple wires are normally supplied to meet tolerance above 0 °C. If material is reqd. to meet tolerance below 0 °C, the purchaser should clarify the same in Purchase Order. Special selection of material is reqd.
- Initial calibration & Tolerance suggested, its requirement should be discussed well in advance before placing the order.

**Initial Calibration Tolerances as per ASTM E230 and ANSI MC96.1**

Thermocouple Designation	Temperature Range °C ( °F)	Tolerance-Reference Junction 0°C (32 °F)	
		Standard Grade Limits °C ( °F) whichever is greater	Special Grade Limits °C( °F) Whichever is greater
<b>Extension / Compensating Grade Wires</b>			
Rc / Sc	0 (32) to 400 (212)	±5.0 (9.0)	



**ELTEC CABLES & INSTRUMENTS**

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