Thermocouple Wire High Temperature Fiberglass Braid Insulation & Jacket

1300°F 704°C Continuous, 1600°F 871°C Single Reading



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Thermocouple wire per ANSI MC 96.1 & ASTM E230 (Solid or stranded available)
2. **Insulation:** Fiberglass braid with a high temperature saturant
3. **Overall Jacket:** Fiberglass braid with a high temperature saturant

APPLICATIONS AND FEATURES:

Widely used in industrial applications such as steel, aluminum and glass plants. Also used in the heat treating industry, furnace surveys and temperature sensors. Excellent flame retardance, resistance to acids, solvents and bases. Good resistance to moisture, abrasion and good flexibility.

Stainless Steel, Inconel metal, or Tin Plated Copper overbraid is available on request. Type E, J, K, T and other Types available on request.

SPECIFICATIONS:

- ASTM E230 Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
- ANSI MC 96.1 Temperature Measurement Thermocouples

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mil	mil	inch	lb/1000ft	°C	Style/Type
C4S_45	16(7)	2	10	10	0.098 x 0.176	34	704 / 871	Type E, J, K, T

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
0=Type E // 1=Type J // 2=Type K // 3=Type T
Conductor insulation and overall jacket are color coded per ANSI MC 96.1 and ASTM E230.
International color codes available on request.
Available in standard and special limits of error per ANSI MC 96.1, ASTM E230 and IEC 584.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mm	mm	mm	kg/km	°C	Style/Type
C4S_45	16(7)	2	0.25	0.25	2.49 x 4.47	51	704 / 871	Type E, J, K, T