Thermocouple Wire Fiberglass Braid Insulation & Jacket

900°F 482°C Continuous, 1000°F 538°C Single Reading

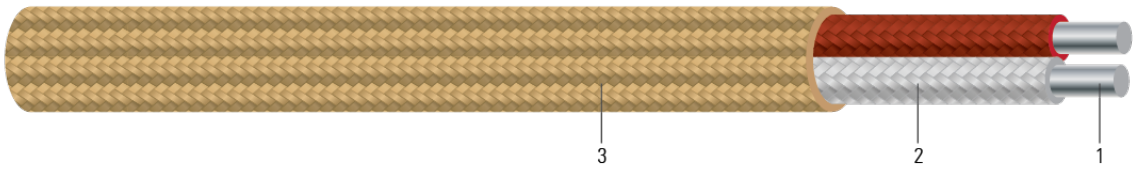


Image not to scale. See Table 1 for dimensions.

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 on injection molding and extrusion equipment and the heat treating industry. 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
C4G_25	20(7)	2	5	5	0.056 x 0.102	8	482 / 538	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.
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

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
C4G_25	20(7)	2	0.13	0.13	1.42 x 2.59	12	482 / 538	Type E, J, K, T

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

UPDATED: Dec. 31, 2024, 11:07 p.m.UTC REVISION: 1.000.001