# Thermocouple Wire Fiberglass Braid Insulation & Jacket

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

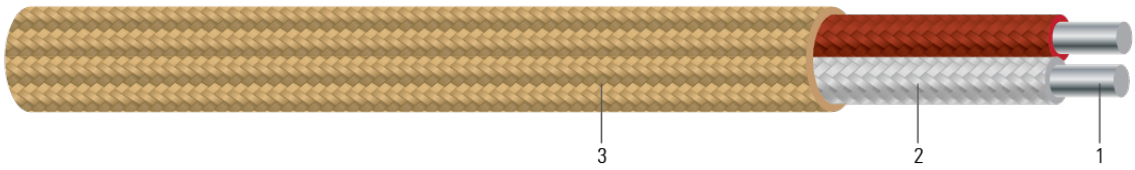



Image not to scale. See Table 1 for dimensions.

## 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_10 | 22 | 2 | 5 | 5 | 0.045 x 0.080 | 5 | 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_10 | 22 | 2 | 0.13 | 0.13 | 1.14 x 2.03 | 7 | 482 / 538 | Type E, J, K, T |

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