# Thermocouple Wire Ceramic Fiber Braid Insulation & Jacket

2200°F 1204°C Continuous, 2600°F 1427°C Single Reading

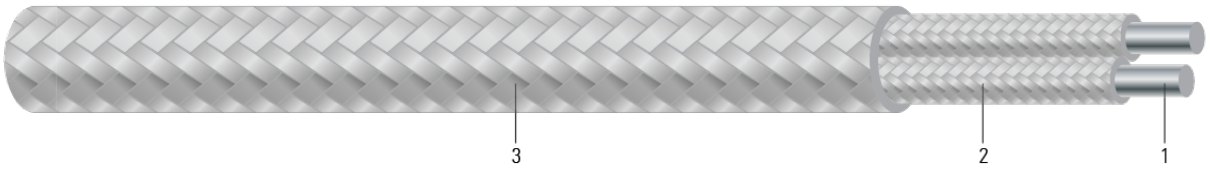



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Thermocouple wire per ANSI MC 96.1 & ASTM E230 (Solid or stranded available)
2. **Insulation:** Ceramic Fiber Braid
3. **Overall Jacket:** Ceramic Fiber Braid

## APPLICATIONS AND FEATURES:

Widely used in industrial applications such as steel, aluminum, glass plants and the production of metals. Also used in the heat treating industry, furnace surveys and beaded thermocouple replacement. Excellent flame retardance and resistance to elevated temperatures. Good resistance to abrasion.

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 |
| C4C_05 | 24(7) | 2 | 14 | 14 | 0.080 x 0.132 | 6 | 1204 / 1427 | 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
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 |
| C4C_05 | 24(7) | 2 | 0.36 | 0.36 | 2.03 x 3.35 | 9 | 1204 / 1427 | Type E, J, K, T |

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