

# Vitreous Silica Braid Insulation & Jacket

1600°F 871°C Continuous, 2000°F 1093°C Single Reading

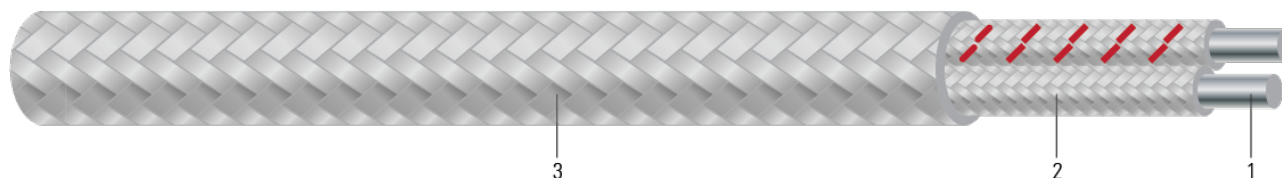


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

- Conductor:** Thermocouple wire per ANSI MC 96.1 & ASTM E230 (Solid or stranded available)
- Insulation:** Vitreous Silica Braid
- Overall Jacket:** Vitreous Silica Braid

## APPLICATIONS AND FEATURES:

Widely used in industrial applications such as steel, aluminum and glass plants. Also used in the heat treating industry and furnace surveys. Excellent flame retardance and resistance to elevated temperatures. Poor resistance to moisture and abrasion. 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<br>AWG/Kcmil | Cond. Number<br>No. | Insul. Thickness<br>mil | Jacket Thickness<br>mil | Approx. OD<br>inch | Approx. Weight<br>lb/1000ft | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|---------------------|-------------------------|-------------------------|--------------------|-----------------------------|--------------------|--------------------------------------|
| C4R_10       | 22                      | 2                   | 10                      | 10                      | 0.065 x 0.110      | 6                           | 871 / 1093         | 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<br>AWG/Kcmil | Cond. Number<br>No. | Insul. Thickness<br>mm | Jacket Thickness<br>mm | Approx. OD<br>mm | Approx. Weight<br>kg/km | Temp. Rating<br>°C | Standard (UL or other)<br>Style/Type |
|--------------|-------------------------|---------------------|------------------------|------------------------|------------------|-------------------------|--------------------|--------------------------------------|
| C4R_10       | 22                      | 2                   | 0.25                   | 0.25                   | 1.65 x 2.79      | 9                       | 871 / 1093         | Type E, J, K, T                      |

