

Vitreous Silica Braid Insulation & Jacket

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

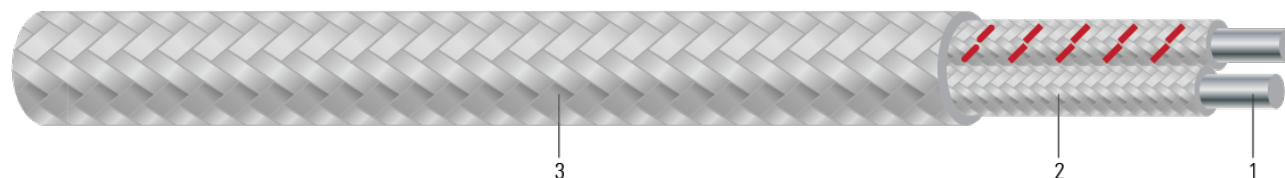


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Thermocouple wire per ANSI MC 96.1 & ASTM E230 (Solid or stranded available)
2. **Insulation:** Vitreous Silica Braid
3. **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 AWG/Kcmil	Cond. Number No.	Insul. Thickness mil	Jacket Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft	Temp. Rating °C	Standard (UL or other) Style/Type
C4R_00	24	2	10	10	0.060 x 0.100	5	871 / 1093	Type E, J, K, T
C4R_10	22	2	10	10	0.065 x 0.110	6	871 / 1093	Type E, J, K, T
C4R_20	20	2	10	10	0.072 x 0.124	9	871 / 1093	Type E, J, K, T
C4R_30	18	2	10	10	0.080 x 0.140	15	871 / 1093	Type E, J, K, T
C4R_40	16	2	10	10	0.090 x 0.160	34	871 / 1093	Type E, J, K, T
C4R_05	24(7)	2	10	10	0.064 x 0.106	7	871 / 1093	Type E, J, K, T
C4R_25	20(7)	2	10	10	0.076 x 0.132	13	871 / 1093	Type E, J, K, T
C4R_45	16(7)	2	10	10	0.098 x 0.176	34	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 AWG/Kcmil	Cond. Number No.	Insul. Thickness mm	Jacket Thickness mm	Approx. OD mm	Approx. Weight kg/km	Temp. Rating °C	Standard (UL or other) Style/Type
C4R_00	24	2	0.25	0.25	1.52 x 2.54	7	871 / 1093	Type E, J, K, T
C4R_10	22	2	0.25	0.25	1.65 x 2.79	9	871 / 1093	Type E, J, K, T
C4R_20	20	2	0.25	0.25	1.83 x 3.15	13	871 / 1093	Type E, J, K, T
C4R_30	18	2	0.25	0.25	2.03 x 3.56	22	871 / 1093	Type E, J, K, T
C4R_40	16	2	0.25	0.25	2.29 x 4.06	51	871 / 1093	Type E, J, K, T
C4R_05	24(7)	2	0.25	0.25	1.63 x 2.69	10	871 / 1093	Type E, J, K, T
C4R_25	20(7)	2	0.25	0.25	1.93 x 3.35	19	871 / 1093	Type E, J, K, T
C4R_45	16(7)	2	0.25	0.25	2.49 x 4.47	51	871 / 1093	Type E, J, K, T

