Thermocouple Wire Silicone Rubber Glass Braid

392°F 200°C Continuous, 500°F 260°C Single Reading

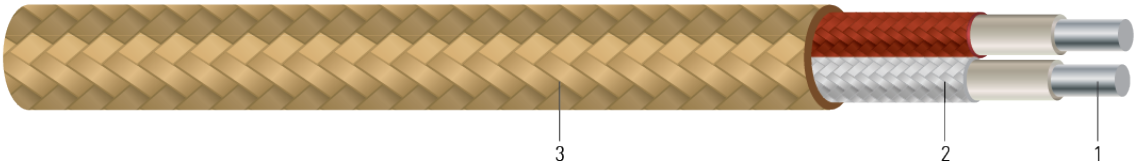


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Thermocouple wire per ANSI MC 96.1 & ASTM E230 (Solid or stranded available)
2. **Insulation:** Extruded silicone rubber with a fiberglass braid and saturant
3. **Overall Jacket:** Fiberglass braid with a saturant

APPLICATIONS AND FEATURES:

Used in applications requiring increased flexibility. Also used in environments that require functionality when exposed to catastrophic fire (Circuit Integrity). Good flame retardance and moisture resistance, excellent flexibility, and provides circuit integrity when exposed to fire/flame.

Stainless Steel, Inconel metal, or Tin Plated Copper overbraid is available on request. Type E, J, K, T and other Types available on request. Available with an optional Silicone rubber jacket in place of the fiberglass braid. Available with an optional FEP extrusion over the inner braid to provide oil and chemical resistance.

SPECIFICATIONS:

- ASTM E230 Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
- ANSI MC 96.1 Temperature Measurement Thermocouples

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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
C4X_00	24	2	15	5	0.070 x 0.130	6	200 / 260	Type E, J, K, T
C4X_10	22	2	15	5	0.075 x 0.140	8	200 / 260	Type E, J, K, T
C4X_20	20	2	15	5	0.082 x 0.154	12	200 / 260	Type E, J, K, T
C4X_30	18	2	15	5	0.090 x 0.170	16	200 / 260	Type E, J, K, T
C4X_40	16	2	15	5	0.101 x 0.192	22	200 / 260	Type E, J, K, T
C4X_05	24(7)	2	15	5	0.074 x 0.138	7	200 / 260	Type E, J, K, T
C4X_25	20(7)	2	15	5	0.086 x 0.162	13	200 / 260	Type E, J, K, T
C4X_45	16(7)	2	15	5	0.108 x 0.206	23	200 / 260	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	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
C4X_00	24	2	0.38	0.13	1.78 x 3.30	9	200 / 260	Type E, J, K, T
C4X_10	22	2	0.38	0.13	1.90 x 3.56	12	200 / 260	Type E, J, K, T
C4X_20	20	2	0.38	0.13	2.08 x 3.91	18	200 / 260	Type E, J, K, T
C4X_30	18	2	0.38	0.13	2.29 x 4.32	24	200 / 260	Type E, J, K, T
C4X_40	16	2	0.38	0.13	2.57 x 4.88	33	200 / 260	Type E, J, K, T
C4X_05	24(7)	2	0.38	0.13	1.88 x 3.51	10	200 / 260	Type E, J, K, T
C4X_25	20(7)	2	0.38	0.13	2.18 x 4.11	19	200 / 260	Type E, J, K, T
C4X_45	16(7)	2	0.38	0.13	2.74 x 5.23	34	200 / 260	Type E, J, K, T