

968-039

Thermocouple Cable, Twisted Pair, Specialty Braid, Jacketed

CABLE REQUIREMENTS

- Crosslinked Verification:
Temperature: 300 °C ± 5 °C
- Bend Test Temperature: 20 °C - 25 °C
- Voltage Withstand: 1000 V
- Conductor Continuity: Pass
- Identification: Uv Laser Mark Part Number on Cable Jacket
- Cable Jacket Tensile Strength: 5000 Psi Min
- Cable Jacket Elongation: 50% Min
- Cable Jacket Flaws: Spark Test - 1.5 kV High Frequency 3 kHz
- Cold Bend Low Temperature: -65 °C ± 2 °C For 4 Hours
- Shield Coverage: 85% Min

NOTES

1. Consult factory for alternate cable configurations
2. Cable shall be marked with glenair, part number, CAGE 06324
3. Braid options may limit peak operating temperature, see Table II
4. Test methods per ANSI/NEMA WC 27500

HOW TO ORDER

Sample Part Number	968-039	-24	K	AC	23	23
Basic Part Number	968-039 Thermocouple Cable, Twisted Pair, Specialty Braid, Jacketed					
Conductor Size	22, 24, 26					
Thermocouple Conductor Type Code	K					
Shield Description	See Table II					
Wire Jacket Type	23 = Extruded XL-ETFE					
Cable Jacket Type	23 = Extruded XL-ETFE					

CONSTRUCTION EXAMPLE

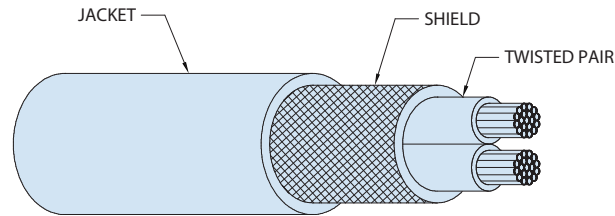


Table IV - Cable Jacket Type

Single Jacket Code	Jacket Material	Wall Thickness (Inches)	Concentricity Ratio
23	Extruded XL-Etfe	.005-.010	70% Min.

Table II - Shield Type

Single Shield Code	Shield Description	Shield Resistance	Shield Temp. Range
AC	Aarmorlite CF	68 mOHM/m MAX	752°F MAX (400°C)
AR	Aarmorlite	TBD mOHM/m MAX	500°F MAX (260°C)
T	Tin Plated Copper	TBD mOHM/m MAX	302°F MAX (150°C)
S	Silver Plated Copper	TBD mOHM/m MAX	392°F MAX (200°C)
N	Nickel Plated Copper	TBD mOHM/m MAX	392°F MAX (200°C)

Table I

Thermoconductor Type Code	Wire AWG (Stranding)	Leg	Outer Color of Primary Wire	Resistance of Conductor at 20°C (68°F) (Ohms/ Ft)	Lay Length (Inches)	Ø Wire Stranded Conductor (Inches)		Ø Of Cable With AR, AC Shield (Inches)	Ø Of Cable With T, S, N Shield (Inches)	Jacket Color	Temperature Range	Max Cable Weight (Pounds Per 1000 Ft)	
				±10%		Min	Max				Max	AR, AC	T, N, S
K	26 (7 X 34)	Positive	Yellow	1.510	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)	0.102 (2.59)	0.111 (2.82)	Green	392°F (200°C) See Note 3	5.55	7.75
	26 (7 X 34)	Negative	Red	0.619	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)						
	24 (19 X 36)	Positive	Yellow	0.884	0.375 (9.53)	0.022 (0.56)	0.025 (0.64)	0.112 (2.84)	0.121 (3.07)	Green	392°F (200°C) See Note 3	7.37	9.82
	24 (19 X 36)	Negative	Red	0.362	0.375 (9.53)	0.022 (0.56)	0.025 (0.64)						
	22 (19 X 34)	Positive	Yellow	0.557	0.500 (12.70)	0.028 (0.71)	0.032 (0.81)	0.128 (3.25)	0.137 (3.48)	Green	392°F (200°C) See Note 3	9.85	12.70
	22 (19 X 34)	Negative	Red	0.228	0.500 (12.70)	0.028 (0.71)	0.032 (0.81)						