968-026
Thermocouple Extension Cable, Specialty Braid, Jacketed

CABLE REQUIREMENTS

- Conductor Continuity: Pass
- Identification: UV Laser Mark - Part Number On Cable Jacket
- Primary Wire Jacket Elongation: 150% Min
- Cable Jacket Elongation: 200% Min
- Primary Wire Jacket Flaws: Spark Test - 4.2 kV High Frequency 3 kHz
- Cable Jacket Flaws: Spark Test - 1.5 kV High Frequency 3 kHz
- Cold Bend Low Temperature: -65 °C ± 2 °C for 4 Hours

NOTES

1. Consult factory for alternate cable configurations
2. Armorlite CF braid is minimum 85% coverage with shield resistance of 68 mOHM/meter max
3. Braid options may limit peak operating temperature, see Table II

HOW TO ORDER

Sample Part Number	968-026	-24	KX	2	AC	09	09
Basic Part Number	**968-026** Thermocouple Extension Cable, Specialty Braid, Jacketed						
Conductor Size	**24**, **26**						
Thermocouple Conductor Type Code	**KX**, **SX**, **TX**						
Number of Conductors	(2 max)						
Shield Description	See Table II						
Wire Jacket Type	See Table III						
Cable Jacket Type	See Table IV						

Table III - Wire Jacket Type

Single Jacket Code	Jacket Material
09	Extruded FEP, GPS288 + Color Concentrate
20	Extruded PFA, GPS335 + Color Concentrate

CABLE CONSTRUCTION EXAMPLE

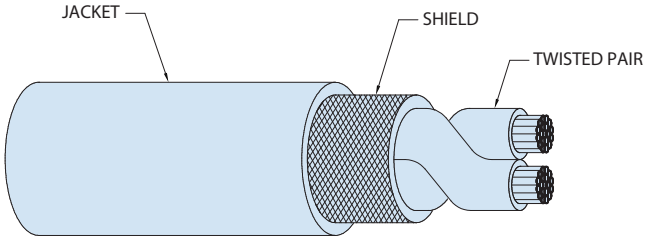

Table I

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 TP with Shield and Jacket (Inches)	Ø of TP with Shield and Jacket (Inches)	Jacket Color	Temperature Range	Cable Weight (Pounds Per 1000 Ft)		
				±10%	Nom	Min	Max	Armorlite Max	TCP, SPC, NPC		Max	Max	Max	Max
KX	24 (7 X 32)	Positive	Yellow	0.938 (23.83)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)	0.132 (3.35)	0.142 (3.61)	Light Yellow	392F (200C) See Note III	Armorlite CF 12.39	Armorlite 12.39	TPC, SPC, NPC 15.56
	24 (7 X 32)	Negative	Red	0.384 (9.75)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)							
SX	24 (7 X 32)	Positive	Black	0.023 (0.58)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)	0.132 (3.35)	0.142 (3.61)	Light Green	392F (200C) See Note III	12.42	12.42	15.58
	24 (7 X 32)	Negative	Red	0.161 (4.09)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)							
TX	24 (7 X 32)	Positive	Blue	0.023 (0.58)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)	0.132 (3.35)	0.142 (3.61)	Light Blue	212F (100C) See Note III	12.33	12.33	15.38
	24 (7 X 32)	Negative	Red	0.67 (17.02)	0.375 (9.53)	0.023 (0.58)	0.025 (0.64)							
KX	26 (7 X 34)	Positive	Yellow	1.512 (38.40)	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)	0.122 (3.10)	0.132 (3.35)	Light Yellow	392F (200C) See Note III	10.32	10.32	13.23
	26 (7 X 34)	Negative	Red	0.619 (15.72)	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)							
SX	26 (7 X 34)	Positive	Black	0.037 (0.94)	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)	0.122 (3.10)	0.132 (3.35)	Light Green	392F (200C) See Note III	10.25	10.25	13.16
	26 (7 X 34)	Negative	Red	0.259 (6.58)	0.250 (6.35)	0.018 (0.46)	0.020 (0.51)							
TX	26 (7 X 34)	Positive	Blue	0.037 (0.94)	0.250 (6.35)	0.177 (4.50)	0.020 (0.51)	0.122 (3.10)	0.132 (3.35)	Light Blue	212F (100C) See Note III	10.25	10.25	13.16
	26 (7 X 34)	Negative	Red	1.08 (27.43)	0.250 (6.35)	0.177 (4.50)	0.020 (0.51)							

Table 2 - Shield Type

Single Shield Code	Shield Description	Shield Coverage	Shield Resistance	Shield Temp. Range
AC	Armorlite CF, Round	85% Min	68 mOHM/m max	752F max (400C)
A	Armorlite	85% Min	TBD mOHM/m max	500F max (260C)
TPC	Tin Plated Copper	85% Min	TBD mOHM/m max	302F max (150C)
SPC	Silver Plated Copper	85% Min	TBD mOHM/m max	392F max (200C)
NPC	Nickel Plated Copper	85% Min	TBD mOHM/m max	500F max (260C)

Table 4 - Cable Jacket Type

Single Jacket Code	Jacket Material	Wall Thickness (Inches)	Concentricity Ratio
09	Extruded FEP, GPS334 + Color Concentrate	.007-.015 (0.18-0.38)	70% Min.
20	Extruded PFA, GPS344 + Color Concentrate	.007-.015 (0.18-0.38)	70% Min.