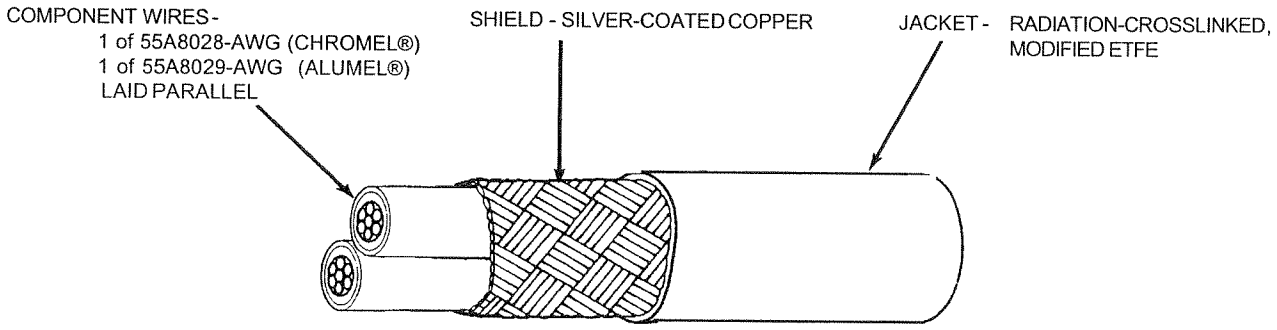
SPECIFICATION CONTROL DRAWING

55A6130

TITLE	Date	Revision
TWO CONDUCTOR, THERMOCOUPLE EXTENSION CABLE, SHIELDED, JACKETED	6-19-02	D

This specification sheet forms a part of the latest issue of Raychem Specification 55A.



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6130-26-*	26	38	.006	.008	.073 x .113	.077 x .119	9.1
55A6130-24-*	24	38	.006	.008	.078 x .123	.082 x .129	10.7
55A6130-22-*	22	38	.006	.008	.083 x .133	.087 x .137	13.1
55A6130-20-*	20	38	.006	.008	.091 x .149	.096 x .153	17.8
55A6130-16-*	16	38	.006	.008	.115 x .197	.121 x .207	34.3

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)
ACCELERATED AGING: 300 ± 3°C for 7 hours
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
FLAMMABILITY: Procedure 1, 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue
JACKET ELONGATION AND TENSILE STRENGTH:
Elongation, 50% (minimum)
Tensile Strength, 5000 lbf/in² (minimum)
JACKET FLAWS:
Spark Test, 1000 volts (rms), 100% test
Impulse Dielectric Test, 6.0 kV (peak), 100% test
LIFE CYCLE: 230 ± 3°C for 500 hours
LOW TEMPERATURE-COLD BEND: -65° ± 2°C for 4 hours
SHIELD COVERAGE: 85% (minimum)
VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
1000 volts (rms), 60 Hz, 1 minute

PART NUMBER
The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color. The color of CHROMEL® shall be shown first.
Example: AWG 20,
Per MIL-STD-687: white and green; white jacket: 55A6130-20-9/5-9
Per ANSI MC 96.1: yellow and red; yellow jacket: 55A6130-20-4/2-4
Per British Standard Code BS: brown and blue; red jacket: 55A6130-20-1/6-2

CABLE IDENTIFICATION: Cable shall be marked on outer surface in black ink at 12 in. (nominal) intervals between marks as follows: " 55A6130-AWG 06090 "

EMF shall be 4.00 mV (minimum), 4.19 mV (maximum), at 100°C with reference junction corrected to 0°C per ANSI MC96.1, and shall be performed on every length of finished cable.

The combination of the above thermoelements is referred to as type KX per ANSI MC96.1.

CHROMEL® and ALUMEL® are federally registered trademarks of Hoskins Manufacturing Company. Alternative conductors, exhibiting the same performance characteristics, may be substituted for one or both of the CHROMEL® and ALUMEL® conductors.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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