

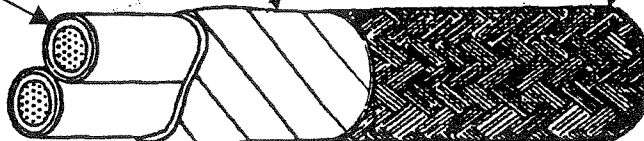
SPECIFICATION CONTROL DRAWING

55A8081Title
TWO CONDUCTOR THERMOCOUPLE EXTENSION CABLEDate
10-31-02Revision
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This specification sheet forms a part of the latest issue of Raychem Specification 55A.

COMPONENT WIRES -

- 1 of 55A8000-18 (ALUMEL® - Green)
- 1 of 55A8001-18 (CHROMEL® - White)

WRAP - POLYESTER TAPE**BRAID - NOMEX BRAID TREATED
TO PREVENT FRAYING
COLOR - WHITE****CABLE CONSTRUCTION DETAILS**

PART NUMBER	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
		NOMINAL	MAXIMUM	
55A8081-18	18	.158	.164	18.5

CABLE RATINGS AND ADDITIONAL REQUIRMENTS**TEMPERATURE RATING: 150°C**

Maximum continuous conductor temperature

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz**FLAMMABILITY:** Procedure 1,30 seconds (maximum); 3 inches (maximum);
no flaming of facial tissue**WRAP:** .001 inch (nominal) thickness, 25% (minimum) overlap**PRODUCT IDENTIFICATION:** Cable shall be marked on outer
surface in black ink at 6 inch (nominal) intervals between marks
as follows:

"55A8081-18 - 06090"

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

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.

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.

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