

SPECIFICATION CONTROL DRAWING

CTC-0001

TITLE TWO CONDUCTOR, THERMOCOUPLE EXTENSION CABLE, TIN-COATED COPPER AND CONSTANTAN, JACKETED, 600 VOLT

Date 1-28-91

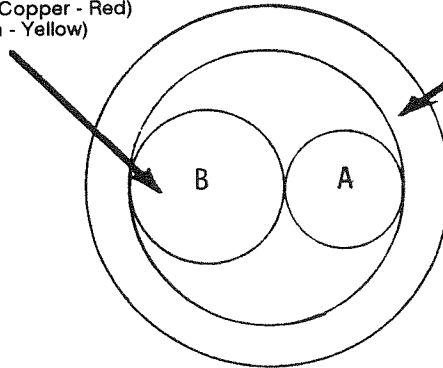
Revision A

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

COMPONENT WIRES -

- A - 55A0811-20-2 (Tin-Coated Copper - Red)
- B - 55A8129-16-4 (Constantan - Yellow)

JACKET - RADIATION-CROSSLINKED
MODIFIED ETFE
COLOR - BLACK WITH RED
STRIPE



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inches)	OUTSIDE DIAMETER (inches)		NOMINAL WEIGHT (lb/1000 ft)
		NOMINAL	NOMINAL	MAXIMUM	
CTC-0001-X-02	16, 20	.008	.153	.161	17.7

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

ACCELERATED AGING: 300 ± 3°C for 7 hours

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz, 1 minute

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging and Low Temperature-Cold Bend) 1000 volts (rms), 60 Hz, 1 minute

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

EMF shall be 4.277 (nominal) at 100°C with reference junction at 0°C in accordance with ANSI MC96.1-1975, and shall be performed on every length of finished cable.2

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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