SPECIFICATION SHEET

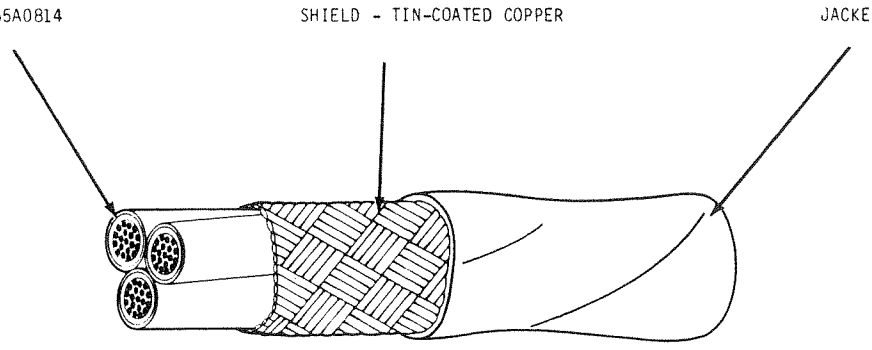
55A1834

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, THREE CONDUCTOR, SHIELDED, JACKETED, NORMAL WEIGHT

29 July 1986
Revision B

150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.



CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL 1/	NOMINAL 1/	MAXIMUM	
55A1834-30-*	30	38	.006	.008	.102	.108	8.4
55A1834-28-*	28	38	.006	.008	.109	.115	9.8
55A1834-26-*	26	38	.006	.008	.119	.125	12.1
55A1834-24-*	24	38	.006	.008	.130	.136	14.4
55A1834-22-*	22	38	.006	.008	.143	.149	18.5
55A1834-20-*	20	38	.006	.008	.160	.167	24.7

1/ Nominal values are for information only. Nominal values are not requirements.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
  Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)
ACCELERATED AGING: 300 ± 3°C for 7 hours
BLOCKING: 200 ± 3°C for 6 hours
DIELECTRIC WITHSTAND: 1500 volts, 60 Hz
FLAMMABILITY:
  Procedure 1, 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue
JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:
  Elongation, 50% (minimum)
  Tensile Strength, 5000 lbf/in^2 (minimum)
JACKET FLAWS:
  Spark Test, 1000 volts, 60 Hz (rms), 100% test
  Impulse Dielectric Test, 6.0 kV (peak), 100% test
LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
SHIELD COVERAGE: 85% (minimum)
THERMAL SHOCK: 300 ± 3°C for 6 hours
VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle, Low Temperature-Cold Bend and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:
  The "*" in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with slashes separating component wire colors and a dash separating the component wire colors from the jacket color.
  Example:
    AWG 20, white, black and red component wires; white jacket: 55A1834-20-9/0/2-9.

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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