SPECIFICATION SHEET

55A4841

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

20 December 1982

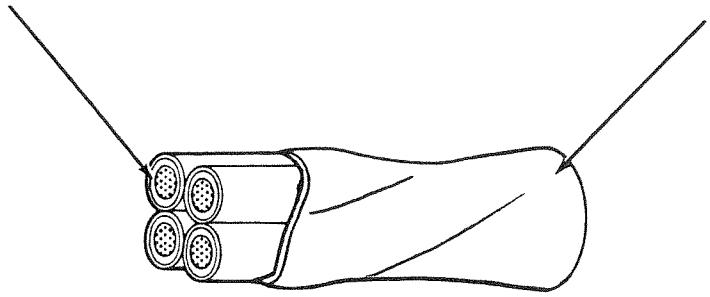
Revision A

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.

COMPONENT WIRES - 55A0811

JACKET - RADIATION-CROSSLINKED, EXTRUDED, MODIFIED FLUOROPOLYMER



CABLE CONSTRUCTION DETAILS						
PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESSES (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft)
		MINIMUM	NOMINAL 1/	NOMINAL 1/	MAXIMUM	
55A4841-26-*	26	.006	.0075	.112	.131	9.3
55A4841-24-*	24	.006	.0075	.124	.144	12.0
55A4841-22-*	22	.006	.0075	.138	.164	16.4
55A4841-20-*	20	.006	.0075	.158	.186	23.3
55A4841-18-*	18	.006	.0075	.184	.216	34.1
55A4841-16-*	16	.006	.0075	.204	.241	42.3
55A4841-14-*	14	.007	.0085	.247	.289	63.1
55A4841-12-*	12	.007	.0085	.288	.336	92.6
55A4841-10-*	10	.008	.0095	.348	.410	143.

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 psi (minimum)
LIFE CYCLE: 200 ± 3°C for 168 hours
LOW TEMPERATURE-COLD BEND: -65 ± 2°C
THERMAL SHOCK: 290 ± 3°C for 4 hours
VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle, and Low Temperature-Cold Bend)
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 a slash separating component wire colors and a dash separating the component wire colors from the jacket color.
Example: AWG 20, white, black, red and blue component wires; white jacket: 55A4841-20-9/0/2/6-9.

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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