

SPECIFICATION SHEET

21 DECEMBER 1988

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

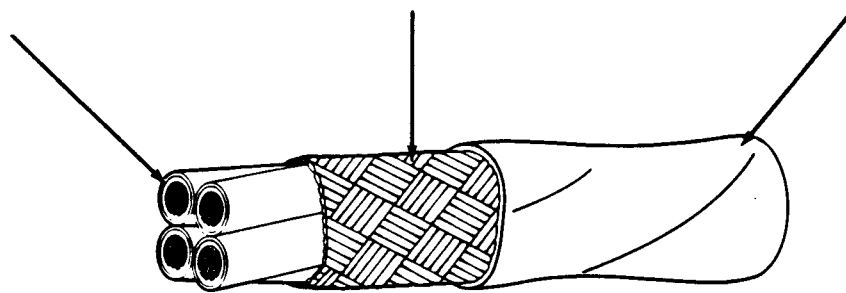
150°C

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 - 55A0813

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6871-26-*	26	38	.006	.008	.130	.150	14.7
55A6871-24-*	24	38	.006	.008	.142	.165	18.0
55A6871-22-*	22	38	.006	.008	.154	.179	22.5
55A6871-20-*	20	38	.006	.008	.173	.202	30.0
55A6871-18-*	18	38	.006	.008	.202	.237	42.2
55A6871-16-*	16	38	.007	.009	.221	.259	51.4
55A6871-14-*	14	38	.007	.009	.262	.308	74.0
55A6871-12-*	12	38	.007	.009	.308	.361	108.
55A6871-10-*	10	36	.008	.010	.365	.430	162.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 200 ± 3°C for 6 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)

JACKET FLAWS:

Spark Test, 1500 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 ± 3°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

GROSSLINKED VERIFICATION: 300± 5°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle, Low Temperature-Cold Bend and Grosslinked Verification) 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, blue, orange, green, red and black; white jacket: 55A6871-20-926/3/5/2/0-9

This construction meets the requirements of M27500-AWGSM4T23, less identification

NOTE: Nominal values are for information only.
Nominal values are not requirements.

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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