

SPECIFICATION SHEET

55A6843

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, THREE CONDUCTOR, FLAT BRAID SHIELDED, JACKETED, LIGHTWEIGHT

26 June 1989

200°C

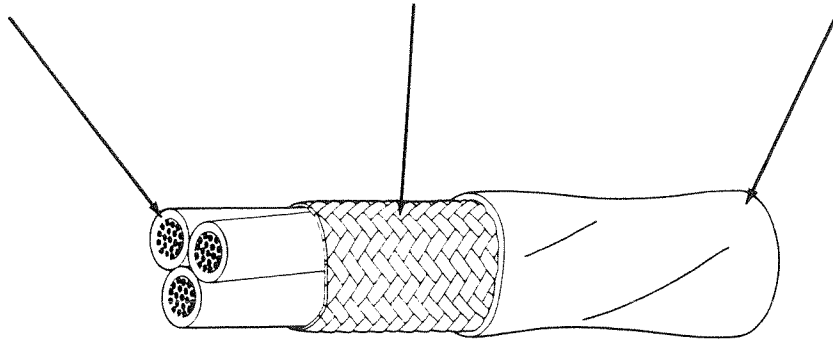
Revision 3

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 - 55A0113

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ($\pm .0004$ inch)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6843-22-*	22	.0015	.006	.008	.116	.122	13.2
55A6843-20-*	20	.0015	.006	.008	.131	.138	18.4
55A6843-16-*	16	.0015	.006	.008	.170	.178	32.4

(B)

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINKED VERIFICATION: 300 \pm 5°C for 7 hours

BLOCKING: 200 \pm 5°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/in² (minimum)

JACKET FLAWS:

Spark Test, 1500 volts, 60 Hz (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 230 \pm 5°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 \pm 5°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST: (After Crosslinked Verification, 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 22, white, blue and orange component wires, white jacket: 55A6843-22-9/6/3-9.

This construction meets the requirements of M27500-AWGSS3G23, less identification.

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

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025-1155
415) 361 3333 TWX 910 373 1728

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF THIS SPECIFICATION FOR BID.