

SPECIFICATION SHEET

55A6125

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

13 August 1986

150°C

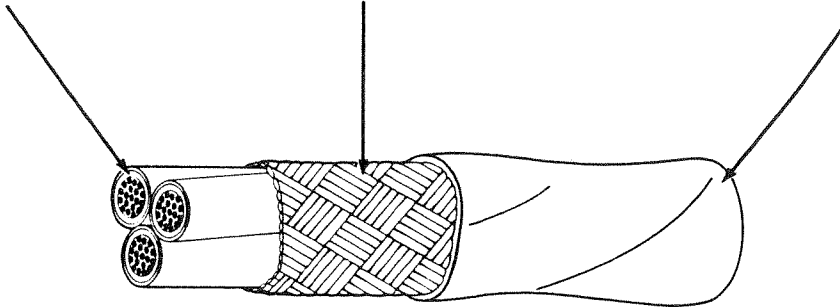
Revision A

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 - 55A0816

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



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	
55A6125-26-*	26	38	.006	.008	.118	.125	11.3
55A6125-24-*	24	38	.006	.008	.129	.136	14.4
55A6125-22-*	22	38	.006	.008	.142	.149	18.8
55A6125-20-*	20	38	.006	.008	.159	.167	25.0
55A6125-18-*	18	38	.006	.008	.183	.191	33.6
55A6125-16-*	16	38	.006	.008	.200	.209	41.1

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/in² (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 ± 3°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 a slash 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: 55A6125-20-9/0/2-9.

This construction meets the requirements of M27500-AWGSN3T23, less identification.

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025
415/ 361 3333 TWX 910 373 1205

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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