

SPECIFICATION SHEET

55A6124

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

8 NOVEMBER 1988

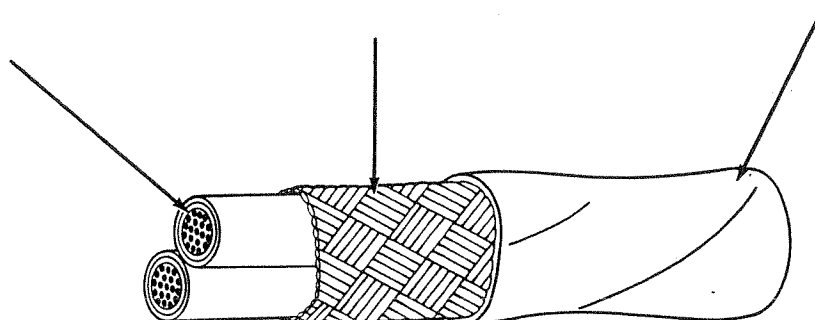
150°C

Revision 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 WIRE - 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	NOMINAL	MAXIMUM	
55A6124-26-*	26	38	.006	.008	.112	.119	9.2
55A6124-24-*	24	38	.006	.008	.122	.129	11.0
55A6124-22-*	22	38	.006	.008	.134	.141	14.1
55A6124-20-*	20	38	.006	.008	.150	.158	18.4
55A6124-18-*	18	38	.006	.008	.172	.180	24.9
55A6124-16-*	16	38	.006	.008	.188	.196	29.4

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINKED VERIFICATION: 300 ± 5°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 ± 5°C for 168 hours

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

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST: (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 20, white and black component wires, white jacket: 55A6124-20-9/0-9.

This construction meets the requirements of M27500-AWGSN2T23, less identification.

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

Raychem

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