

SPECIFICATION SHEET

55A9240

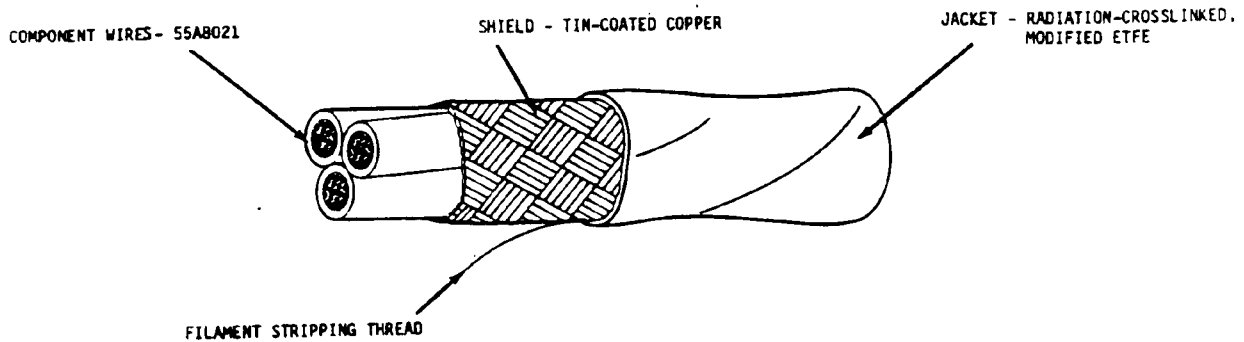
1 April 1986

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED  
THREE CONDUCTOR, SHIELDED, JACKETED WITH STRIPPING THREAD, LIGHTWEIGHT

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.



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	
			55A9240-26-*	26	38	.0080	
55A9240-24-*	24	38	.0060	.0075	.113	.119	12.3
55A9240-22-*	22	38	.0060	.0075	.126	.132	15.9

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)

JACKET FLAMS:

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 ± 2°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 slashes separating component wire colors and a

dash separating the component wire colors from the

jacket color.

Example:

AWG 22, white, black and red component wire colors;

white jacket: 55A9240-22-9/0/2-9.

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

**Raychem**

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