

SPECIFICATION SHEET

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

12 October 1989

Revision B

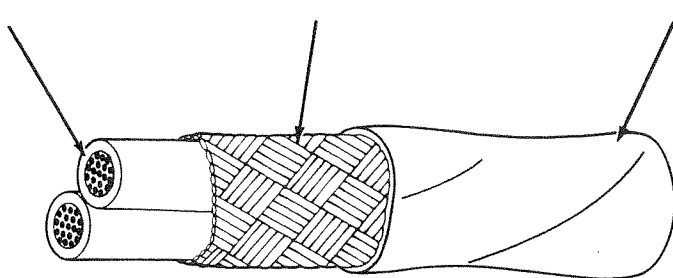
200°C

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 - 55A0116

SHIELD - NICKEL-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 (lbs/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A1126-30-*	30	38	.006	.008	.081	.086	5.3
55A1126-28-*	28	38	.006	.008	.087	.092	6.2
55A1126-26-*	26	38	.006	.008	.097	.102	7.6
55A1126-24-*	24	38	.006	.008	.107	.113	9.5
55A1126-22-*	22	38	.006	.008	.119	.125	12.4
55A1126-20-*	20	38	.006	.008	.135	.141	16.6
55A1126-18-*	18	38	.006	.008	.155	.162	22.9
55A1126-16-*	16	38	.006	.008	.171	.178	27.9
55A1126-14-*	14	38	.006	.008	.205	.213	40.2
55A1126-12-*	12	38	.007	.009	.243	.251	56.6

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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) 2

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: 230 ± 3°C for 500 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-1290 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: 55A1126-20-9/0-9.

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

Raychem

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