

SPECIFICATION SHEET

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

12 October 1989

Revision B

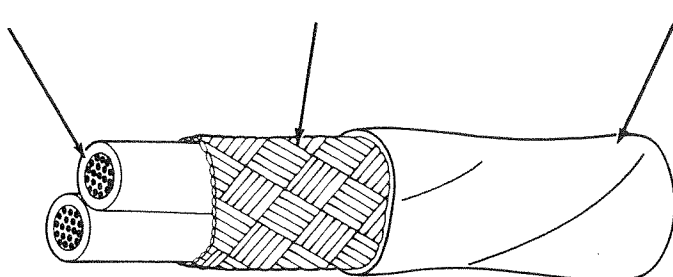
200°C

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)

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-123 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

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025
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 BIDDING FOR BID.