

ONE CONDUCTOR CABLE, DOUBLE SHIELDED, DOUBLE JACKETED, NORMAL WEIGHT, 600 VOLT

SPECIFICATION SHEET

55A6067

DATE 8-16-82

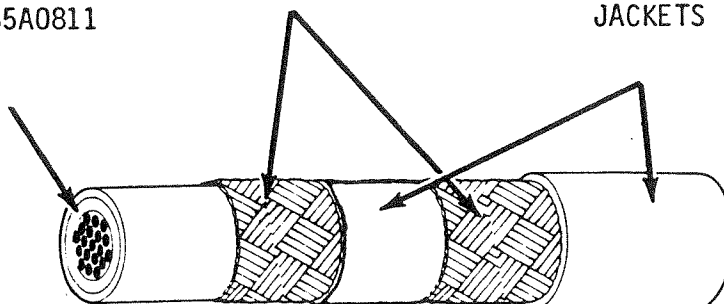
REVISION A

This specification sheet forms a part of the latest issue of Raychem Specification 55A.

SHIELDS - TIN-COATED COPPER

COMPONENT WIRE - 55A0811

JACKETS - RADIATION-CROSSLINKED, MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZES (AWG)		INNER JACKET THICKNESS (in.)		OUTER JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
		1st	2nd	Minimum	Nominal	Minimum	Nominal	Nominal	Maximum	
55A6067-24-*	24	38	38	.0060	.0075	.0060	.0075	.111	.117	13.3
55A6067-22-*	22	38	38	.0060	.0075	.0060	.0075	.115	.121	14.5
55A6067-20-*	20	38	38	.0060	.0075	.0060	.0075	.123	.129	17.4
55A6067-18-*	18	38	38	.0060	.0075	.0060	.0075	.134	.141	21.4
55A6067-16-*	16	38	38	.0060	.0075	.0060	.0075	.142	.149	24.5

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 conductor to shield

500 volts, 60 Hz shield to shield

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 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 ± 2°C for 4 hours

SHIELD COVERAGE: 85% each (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 dash separating the component wire color from the jacket color.

Example: AWG 22, white component wire; white inner jacket; white outer jacket:  
55A6067-22-9-9-9

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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**

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