

# SPECIFICATION CONTROL DRAWING

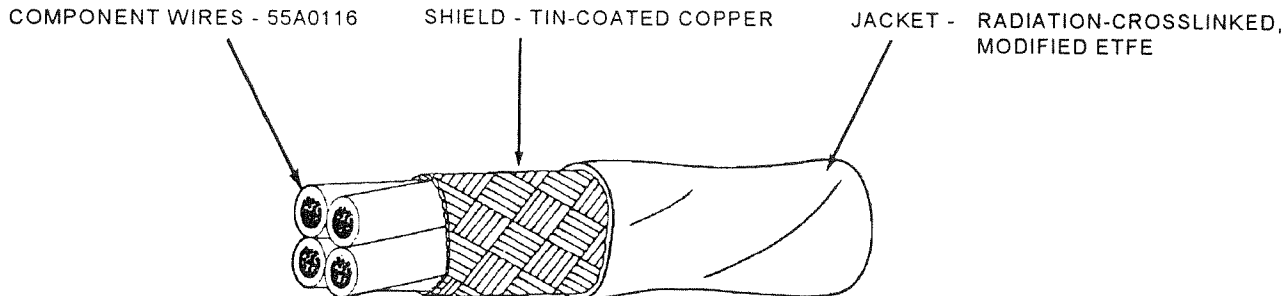
55A7347

TITLE FOUR CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 8-29-96

Revision

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



### CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A7347-26-*	26	38	.006	.008	.110	.127	12.6
55A7347-24-*	24	38	.006	.008	.123	.141	16.0
55A7347-22-*	22	38	.006	.008	.137	.159	20.7

### 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 (rms), 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/in<sup>2</sup> (minimum)

**JACKET FLAWS:**

Spark Test, 1000 volts (rms), 60 Hz, 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

SHIELD COVERAGE: 90% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz

**PART NUMBER:**

The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 22, white, black, red and green component wires; white jacket:  
55A7347-22-9/0/2/5-9

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

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

**Raychem**