

# SPECIFICATION CONTROL DRAWING

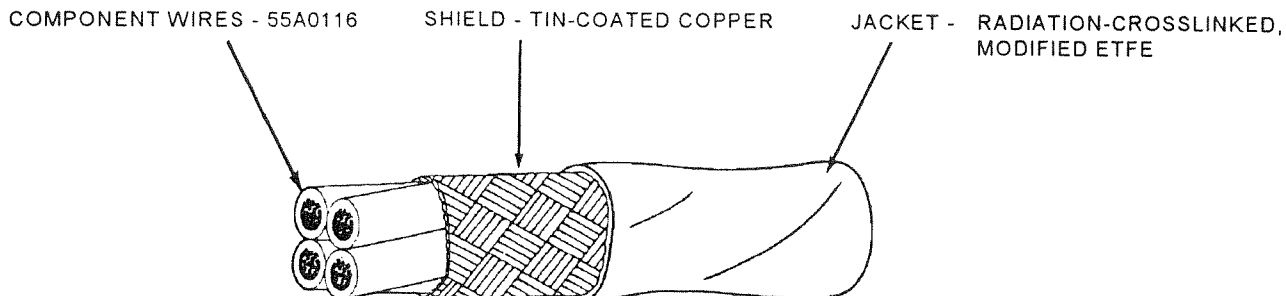
55A7347

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.

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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