

# SPECIFICATION CONTROL DRAWING

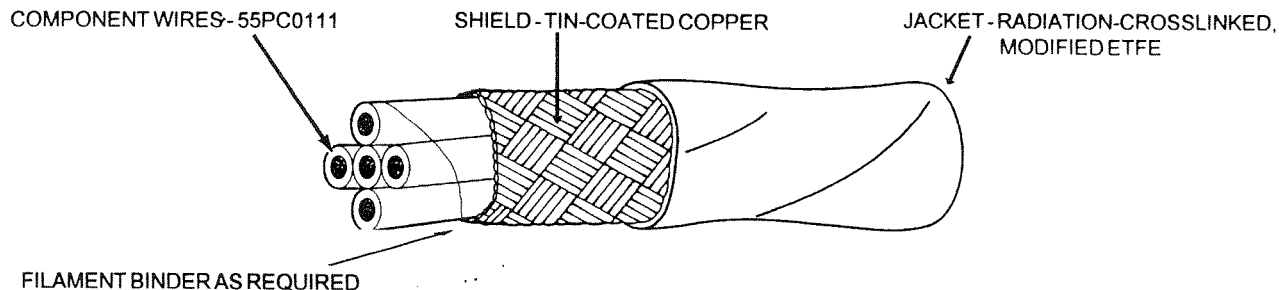
55PC1151

TITLE  
FIVE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date  
2-5-00

Revision  
A

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



| CONSTRUCTION DETAILS |                      |                   |                        |             |                  |              |                  |                       |                  |
|----------------------|----------------------|-------------------|------------------------|-------------|------------------|--------------|------------------|-----------------------|------------------|
| PART NUMBER          | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (in.) |             | DIAMETER (in.)   |              |                  | WEIGHT (lbs/1000 ft.) |                  |
|                      |                      |                   | LOWER SPEC LIMIT       | TARGET WALL | LOWER SPEC LIMIT | TARGET VALUE | UPPER SPEC LIMIT | TARGET VALUE          | UPPER SPEC LIMIT |
| 55PC1151-26-*        | 26                   | 38                | .0060                  | .0080       | .108             | .120         | .131             | 13.53                 | 14.13            |
| 55PC1151-24-*        | 24                   | 38                | .0060                  | .0080       | .120             | .133         | .145             | 17.36                 | 18.03            |
| 55PC1151-22-*        | 22                   | 38                | .0060                  | .0080       | .136             | .150         | .163             | 23.08                 | 23.84            |
| 55PC1151-20-*        | 20                   | 38                | .0065                  | .0085       | .158             | .173         | .188             | 32.14                 | 33.09            |
| 55PC1151-18-*        | 18                   | 38                | .0065                  | .0085       | .183             | .200         | .217             | 45.04                 | 46.20            |
| 55PC1151-16-*        | 16                   | 38                | .0070                  | .0090       | .202             | .222         | .241             | 55.72                 | 57.17            |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour

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

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

### PART NUMBER:

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

Example: AWG 22, red, blue, yellow, green and black component wires; white jacket: 55PC1151-22-2/6/4/5/0-9

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

**Raychem**

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