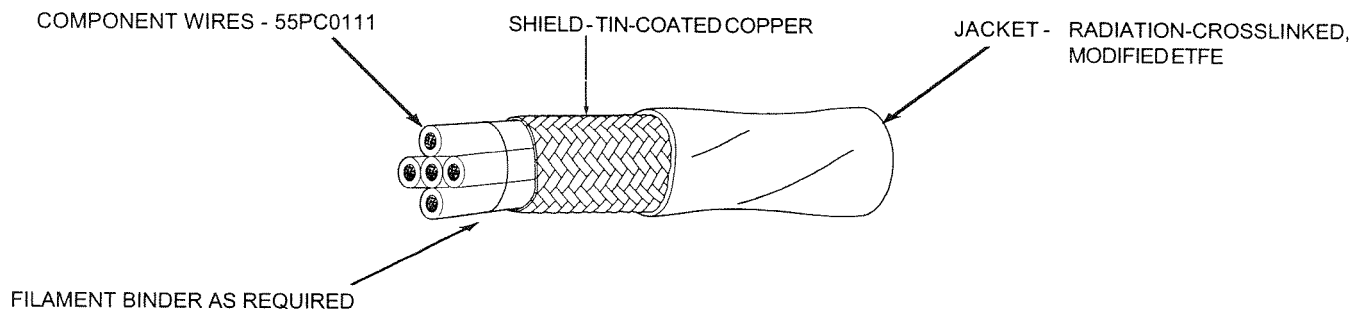


# SPECIFICATION CONTROL DRAWING

**55PC2151**TITLE  
FIVE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLTDate  
06-19-00Revision  
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This specification sheet forms a part of the latest issue of Raychem Specification 55PC.



## CONSTRUCTION DETAILS

| PART NUMBER   | CONDUCTOR SIZE (AWG) | SHIELD STRAND THICKNESS ( $\pm .0004$ ) | 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 |
| 55PC2151-26-* | 26                   | .0015                                   | .0065                  | .0085       | .100             | .111         | .121             | 10.54                 | 11.25            |
| 55PC2151-24-* | 24                   | .0015                                   | .0070                  | .0090       | .109             | .123         | .137             | 14.25                 | 15.10            |
| 55PC2151-22-* | 22                   | .0015                                   | .0070                  | .0090       | .125             | .140         | .155             | 19.52                 | 20.45            |
| 55PC2151-20-* | 20                   | .0015                                   | .0075                  | .0095       | .147             | .164         | .181             | 28.00                 | 29.17            |
| 55PC2151-18-* | 18                   | .0015                                   | .0075                  | .0095       | .172             | .191         | .209             | 40.27                 | 41.77            |
| 55PC2151-16-* | 16                   | .0015                                   | .0080                  | .0010       | .192             | .213         | .233             | 50.38                 | 52.12            |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

CROSSLINK VERIFICATION: 300  $\pm$  3°C for 1 hour

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

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), 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 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, red, blue, yellow, green and black component wires; white jacket:

55PC2151-22-2/6/4/5/0-9

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

**Raychem**

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