

# SPECIFICATION CONTROL DRAWING

**55PC4124**

TITLE

TWO CONDUCTOR CABLE, JACKETED, 600 VOLT

Date

2-28-97

Revision

B

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

COMPONENT WIRES - 55PC0114

JACKET - RADIATION-CROSSLINKED,  
MODIFIED ETFE

## CONSTRUCTION DETAILS

| PART NUMBER   | CONDUCTOR<br>SIZE<br>(AWG) | JACKET THICKNESS<br>(in.) |                | DIAMETER<br>( in.)  |                 |                     | WEIGHT<br>( lbs/1000 ft.) |                     |
|---------------|----------------------------|---------------------------|----------------|---------------------|-----------------|---------------------|---------------------------|---------------------|
|               |                            | LOWER SPEC<br>LIMIT       | TARGET<br>WALL | LOWER SPEC<br>LIMIT | TARGET<br>VALUE | UPPER SPEC<br>LIMIT | TARGET<br>VALUE           | UPPER SPEC<br>LIMIT |
| 55PC4124-24-* | 24                         | .0050                     | .0065          | .080                | .084            | .088                | 4.91                      | 5.28                |
| 55PC4124-22-* | 22                         | .0050                     | .0065          | .092                | .096            | .100                | 6.83                      | 7.23                |
| 55PC4124-20-* | 20                         | .0050                     | .0065          | .108                | .112            | .116                | 9.91                      | 10.40               |
| 55PC4124-18-* | 18                         | .0055                     | .0070          | .127                | .132            | .137                | 14.66                     | 15.34               |
| 55PC4124-16-* | 16                         | .0055                     | .0070          | .142                | .147            | .152                | 18.38                     | 19.11               |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINK VERIFICATION: 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)

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 20, red and blue component wires;  
white jacket: 55PC4124-20-2/6-9

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

**Raychem**

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