

# SPECIFICATION CONTROL DRAWING

**55PC4131**

TITLE

THREE 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 - 55PC0111

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 |
| 55PC4131-24-* | 24                         | .0055                     | .0070          | .087                | .091            | .096                | 7.05                      | 7.50                |
| 55PC4131-22-* | 22                         | .0055                     | .0070          | .100                | .104            | .109                | 9.91                      | 10.43               |
| 55PC4131-20-* | 20                         | .0060                     | .0075          | .118                | .122            | .127                | 14.63                     | 15.24               |
| 55PC4131-18-* | 18                         | .0060                     | .0075          | .138                | .143            | .148                | 21.52                     | 22.34               |
| 55PC4131-16-* | 16                         | .0060                     | .0075          | .154                | .159            | .164                | 27.08                     | 27.98               |
| 55PC4131-14-* | 14                         | .0060                     | .0080          | .186                | .192            | .197                | 41.11                     | 42.33               |
| 55PC4131-12-* | 12                         | .0060                     | .0080          | .227                | .233            | .239                | 62.41                     | 63.93               |

## 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

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, blue and yellow component wires; white jacket: 55PC4131-20-2/6/4-9

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

**Raychem**

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