

SPECIFICATION CONTROL DRAWING

55PC4221

TITLE

TWO CONDUCTOR CABLE, JACKETED, 600 VOLT

Date

3-27-96

Revision

D

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

COMPONENT WIRES - 55PC0211

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR 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 |
| 55PC4221-24-* | 24 | .0050 | .0065 | .088 | .092 | .096 | 5.35 | 5.76 |
| 55PC4221-22-* | 22 | .0050 | .0065 | .100 | .104 | .108 | 7.36 | 7.81 |
| 55PC4221-20-* | 20 | .0055 | .0070 | .117 | .122 | .127 | 10.69 | 11.23 |
| 55PC4221-18-* | 18 | .0055 | .0070 | .136 | .141 | .146 | 15.42 | 16.15 |
| 55PC4221-16-* | 16 | .0055 | .0070 | .151 | .156 | .161 | 19.22 | 19.98 |
| 55PC4221-14-* | 14 | .0060 | .0075 | .182 | .187 | .192 | 28.96 | 29.96 |
| 55PC4221-12-* | 12 | .0060 | .0080 | .220 | .226 | .232 | 43.59 | 44.89 |

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/in² (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: 55PC4221-20-2/6-9

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

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