

SPECIFICATION CONTROL DRAWING

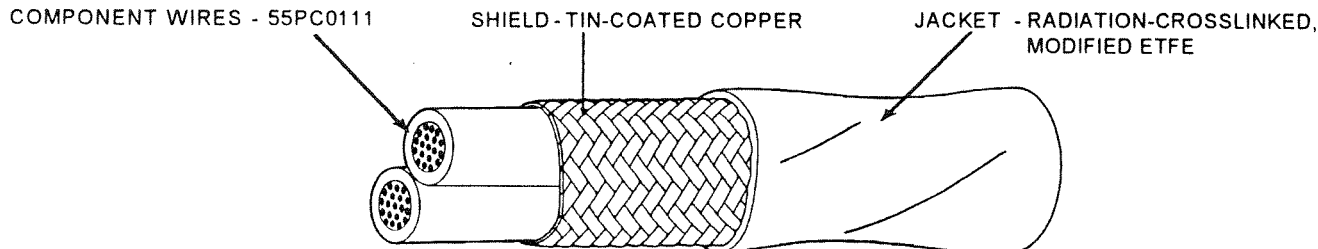
55PC2121

TITLE TWO CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date 11-13-95

Revision E

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



CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD STRAND THICKNESS (± .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 |
| 55PC2121-24-* | 24 | .0015 | .0060 | .0075 | .088 | .093 | .097 | 6.48 | 6.95 |
| 55PC2121-22-* | 22 | .0015 | .0060 | .0075 | .100 | .105 | .109 | 8.68 | 9.20 |
| 55PC2121-20-* | 20 | .0015 | .0060 | .0080 | .117 | .122 | .126 | 12.24 | 12.86 |
| 55PC2121-18-* | 18 | .0015 | .0060 | .0080 | .136 | .141 | .145 | 17.29 | 18.09 |
| 55PC2121-16-* | 16 | .0015 | .0060 | .0080 | .150 | .156 | .161 | 21.36 | 22.25 |
| 55PC2121-14-* | 14 | .0015 | .0065 | .0085 | .180 | .186 | .191 | 31.45 | 32.62 |
| 55PC2121-12-* | 12 | .0015 | .0070 | .0090 | .218 | .225 | .231 | 46.80 | 48.31 |
| 55PC2121-10-* | 10 | .0015 | .0075 | .0095 | .270 | .278 | .285 | 72.36 | 74.50 |

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)
 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 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 and blue component wires; white jacket: 55PC2121-22-2/6-9

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