

SPECIFICATION CONTROL DRAWING

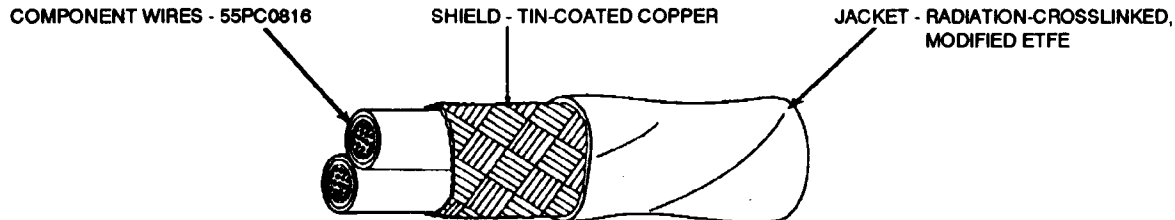
55PC6003

TITLE TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 1-25-93

Revision A

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



CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD 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 |
| 55PC6003-24-* | 24 | 38 | .0055 | .0070 | .114 | .118 | .122 | 10.32 | 10.77 |
| 55PC6003-22-* | 22 | 38 | .0055 | .0070 | .126 | .130 | .134 | 12.93 | 13.42 |
| 55PC6003-20-* | 20 | 38 | .0055 | .0070 | .143 | .147 | .151 | 17.00 | 17.56 |
| 55PC6003-18-* | 18 | 38 | .0060 | .0075 | .163 | .168 | .173 | 22.96 | 23.73 |
| 55PC6003-16-* | 16 | 38 | .0060 | .0075 | .179 | .184 | .189 | 27.68 | 28.48 |

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
 CROSSLINKING PROOF TEST: 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, 8.0 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 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 22, red and blue component wires;
 white jacket: 55PC6003-22-2/6-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

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