

SPECIFICATION CONTROL DRAWING

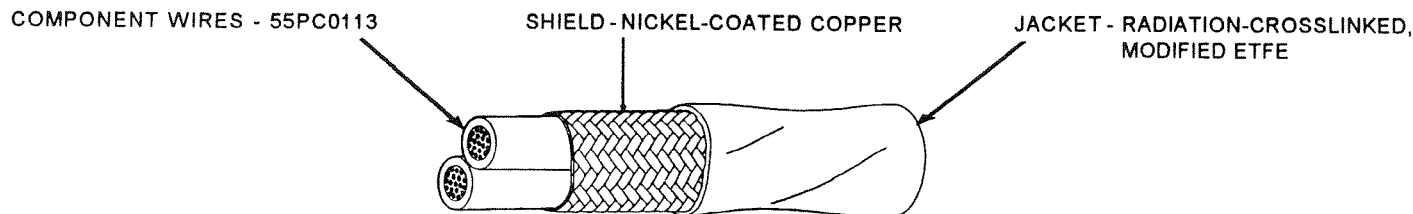
55PC2123

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

Date 5-28-99

Revision A

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 |
| 55PC2123-26-* | 26 | .0015 | .0060 | .0075 | .078 | .083 | .087 | 4.96 | 5.38 |
| 55PC2123-24-* | 24 | .0015 | .0060 | .0075 | .088 | .093 | .097 | 6.48 | 6.95 |
| 55PC2123-22-* | 22 | .0015 | .0060 | .0075 | .100 | .105 | .109 | 8.68 | 9.20 |
| 55PC2123-20-* | 20 | .0015 | .0060 | .0080 | .117 | .122 | .126 | 12.24 | 12.86 |
| 55PC2123-18-* | 18 | .0015 | .0060 | .0080 | .136 | .141 | .145 | 17.29 | 18.09 |
| 55PC2123-16-* | 16 | .0015 | .0060 | .0080 | .150 | .156 | .161 | 21.36 | 22.25 |
| 55PC2123-14-* | 14 | .0015 | .0065 | .0085 | .180 | .186 | .191 | 31.45 | 32.62 |
| 55PC2123-12-* | 12 | .0015 | .0070 | .0090 | .218 | .225 | .231 | 46.80 | 48.31 |
| 55PC2123-10-* | 10 | .0015 | .0075 | .0095 | .270 | .278 | .285 | 72.36 | 74.50 |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 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: 55PC2123-22-2/6-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Raychem

Raychem Corporation
 300 Constitution Drive, Menlo Park, California 94025
 1-800-2 Raychem Fax: 1-650-361-825