

SPECIFICATION CONTROL DRAWING

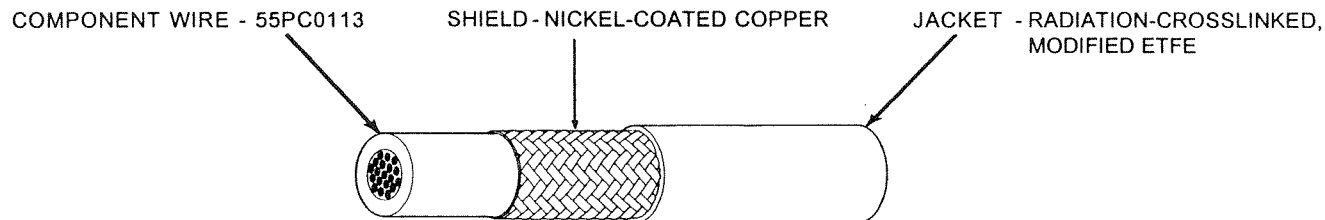
55PC2113

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

Date 10-05-99

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 |
| 55PC2113-26-* | 26 | .0015 | .0055 | .0070 | .047 | .051 | .055 | 2.73 | 3.01 |
| 55PC2113-24-* | 24 | .0015 | .0055 | .0070 | .052 | .056 | .060 | 3.51 | 3.82 |
| 55PC2113-22-* | 22 | .0015 | .0055 | .0070 | .058 | .062 | .066 | 4.63 | 4.97 |
| 55PC2113-20-* | 20 | .0015 | .0055 | .0070 | .066 | .070 | .074 | 6.36 | 6.75 |
| 55PC2113-18-* | 18 | .0015 | .0055 | .0070 | .075 | .080 | .084 | 8.89 | 9.41 |
| 55PC2113-16-* | 16 | .0015 | .0055 | .0070 | .083 | .087 | .092 | 10.93 | 11.48 |
| 55PC2113-14-* | 14 | .0015 | .0055 | .0070 | .097 | .102 | .106 | 15.89 | 16.57 |
| 55PC2113-12-* | 12 | .0015 | .0055 | .0070 | .117 | .122 | .127 | 23.55 | 24.40 |
| 55PC2113-10-* | 10 | .0015 | .0055 | .0070 | .142 | .148 | .154 | 36.13 | 37.42 |

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 a color code designator with a dash separating the component wire color from the jacket color.
 Example: AWG 22, white component wire;
 white jacket: 55PC2113-22-9-9

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

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