

SPECIFICATION CONTROL DRAWING

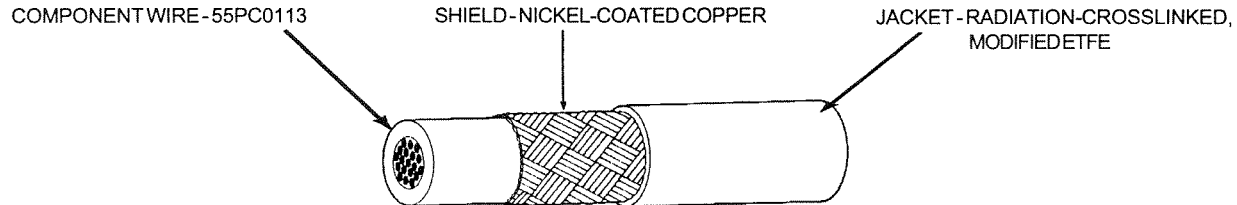
55PC1113

TITLE ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 08-06-01

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 |
| 55PC1113-26-* | 26 | 38 | .0050 | .0060 | .056 | .060 | .064 | 4.00 | 4.24 |
| 55PC1113-24-* | 24 | 38 | .0050 | .0060 | .061 | .065 | .069 | 4.86 | 5.12 |
| 55PC1113-22-* | 22 | 38 | .0050 | .0060 | .068 | .071 | .074 | 6.13 | 6.41 |
| 55PC1113-20-* | 20 | 38 | .0050 | .0060 | .075 | .079 | .083 | 8.07 | 8.37 |
| 55PC1113-18-* | 18 | 38 | .0050 | .0060 | .085 | .088 | .092 | 10.82 | 11.22 |
| 55PC1113-16-* | 16 | 38 | .0050 | .0060 | .092 | .096 | .100 | 13.03 | 13.46 |
| 55PC1113-14-* | 14 | 38 | .0050 | .0060 | .107 | .110 | .114 | 18.34 | 18.85 |
| 55PC1113-12-* | 12 | 38 | .0050 | .0065 | .126 | .130 | .134 | 26.47 | 27.15 |
| 55PC1113-10-* | 10 | 38 | .0050 | .0065 | .151 | .157 | .162 | 39.82 | 41.05 |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)
CROSSLINKING PROOF TEST: 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), 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: 55PC1113-22-9-9

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

