

SPECIFICATION CONTROL DRAWING

55PC1126

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

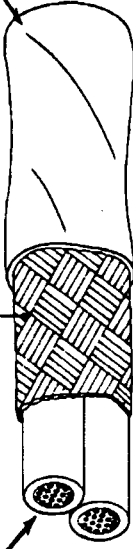
Date 1-15-93

Revision

A

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

COMPONENT WIRES - 55PC0116 SHIELD - NICKEL-COATED COPPER JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



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 |
| 55PC1126-26* | 26 | 38 | .0050 | .0065 | .088 | .092 | 6.86 | 7.22 |
| 55PC1126-24* | 24 | 38 | .0050 | .0065 | .097 | .101 | 8.55 | 8.91 |
| 55PC1126-22* | 22 | 38 | .0050 | .0065 | .109 | .114 | 11.10 | 11.60 |
| 55PC1126-20* | 20 | 38 | .0055 | .0070 | .126 | .130 | 14.95 | 15.44 |
| 55PC1126-18* | 18 | 38 | .0055 | .0070 | .145 | .149 | 20.40 | 21.03 |
| 55PC1126-16* | 16 | 38 | .0055 | .0070 | .159 | .164 | 24.81 | 25.54 |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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, 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 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: 55PC1126-22-2/6-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-481.

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

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