

SPECIFICATION CONTROL DRAWING

55PC6125

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

1-23-98

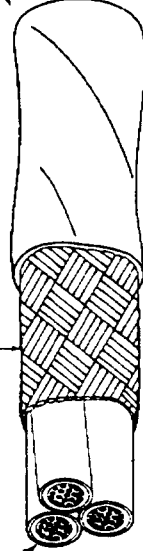
Revision

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

COMPONENT WIRES - 55PC0114

SHIELD - SILVER-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 |
| | | | UPPER SPEC LIMIT | TARGET VALUE | UPPER SPEC LIMIT | TARGET VALUE | UPPER SPEC LIMIT | TARGET VALUE |
| 55PC6125-26-* | 26 | 38 | .0055 | .0070 | .098 | .102 | 8.87 | 9.32 |
| 55PC6125-24-* | 24 | 38 | .0055 | .0070 | .108 | .113 | 11.23 | 11.67 |
| 55PC6125-22-* | 22 | 38 | .0060 | .0075 | .122 | .127 | 14.85 | 15.39 |
| 55PC6125-20-* | 20 | 38 | .0060 | .0075 | .139 | .144 | 20.30 | 20.91 |
| 55PC6125-18-* | 18 | 38 | .0060 | .0075 | .160 | .165 | 28.14 | 28.94 |
| 55PC6125-16-* | 16 | 38 | .0060 | .0080 | .177 | .182 | 34.67 | 35.57 |

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 slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 22, red, blue and yellow component wires; white jacket: 55PC6125-22-2/6/4-9

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



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