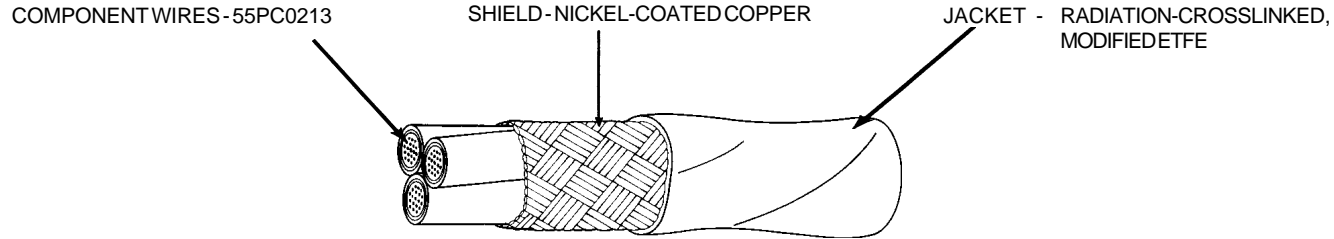


SPECIFICATION CONTROL DRAWING

55PC1233

| | | |
|--|-----------------|---------------|
| TITLE THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT | Date 5-26-00 | 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 |
| 55PC1233-26-* | 26 | 38 | .0055 | .0070 | .102 | .107 | .112 | 9.89 | 10.39 |
| 55PC1233-24-* | 24 | 38 | .0060 | .0075 | .113 | .118 | .123 | 12.42 | 12.93 |
| 55PC1233-22-* | 22 | 38 | .0060 | .0075 | .126 | .131 | .136 | 16.05 | 16.62 |
| 55PC1233-20-* | 20 | 38 | .0060 | .0075 | .144 | .149 | .154 | 21.74 | 22.41 |
| 55PC1233-18-* | 18 | 38 | .0060 | .0080 | .166 | .171 | .176 | 29.93 | 30.81 |
| 55PC1233-16-* | 16 | 38 | .0060 | .0080 | .182 | .187 | .192 | 36.40 | 37.38 |
| 55PC1233-14-* | 14 | 38 | .0060 | .0080 | .214 | .219 | .224 | 52.21 | 53.41 |
| 55PC1233-12-* | 12 | 38 | .0060 | .0080 | .254 | .260 | .266 | 75.71 | 77.19 |
| 55PC1233-10-* | 10 | 36 | .0070 | .0090 | .311 | .320 | .329 | 118.63 | 121.46 |
| 55PC1233-8-* | 8 | 34 | .0070 | .0090 | .458 | .471 | .483 | 215.79 | 222.03 |

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 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: 55PC1233-22-2/6/4-9

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