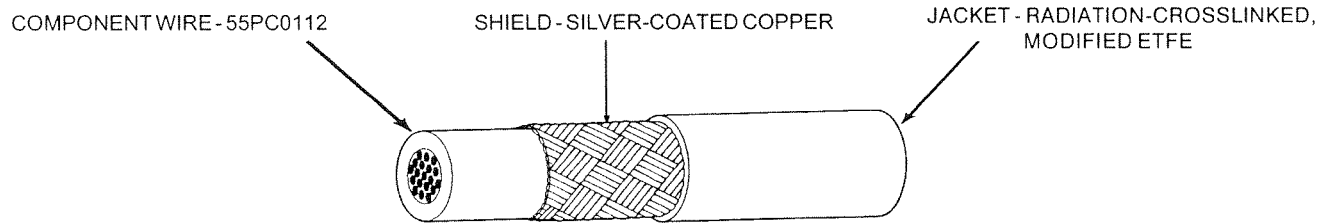


# SPECIFICATION CONTROL DRAWING

**55PC1112**

|   |  |   |
|---|--|---|
| TITLE<br><p style="text-align: center;">ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT</p> | Date<br><p style="text-align: center;"><b>08-31-00</b></p> | Revision<br><p style="text-align: center;"><b>A</b></p> |
|---|--|---|

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 |
| 55PC1112-24-*        | 24                   | 38                | .0050                  | .0060       | .061             | .065         | .069             | 4.86                  | 5.12             |
| 55PC1112-22-*        | 22                   | 38                | .0050                  | .0060       | .068             | .071         | .074             | 6.13                  | 6.41             |
| 55PC1112-20-*        | 20                   | 38                | .0050                  | .0060       | .075             | .079         | .083             | 8.07                  | 8.37             |
| 55PC1112-18-*        | 18                   | 38                | .0050                  | .0060       | .085             | .088         | .092             | 10.82                 | 11.22            |
| 55PC1112-16-*        | 16                   | 38                | .0050                  | .0060       | .092             | .096         | .100             | 13.03                 | 13.46            |
| 55PC1112-14-*        | 14                   | 38                | .0050                  | .0060       | .107             | .110         | .114             | 18.34                 | 18.85            |
| 55PC1112-12-*        | 12                   | 38                | .0050                  | .0065       | .126             | .130         | .134             | 26.47                 | 27.15            |
| 55PC1112-10-*        | 10                   | 38                | .0050                  | .0065       | .151             | .157         | .162             | 39.82                 | 41.05            |
| 55PC1112-8-*         | 8                    | 38                | .0060                  | .0075       | .213             | .220         | .227             | 71.34                 | 73.35            |

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)

SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND TEST (Post Environmental):  
 1000 volts (rms), 60 Hz, 1 minute

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/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (rms), 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100 % test

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:  
 55PC1112-22-9-9

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

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

**Raychem**

300 Constitution Drive  
 Menlo Park, California 94025  
 1-800-2 RAYCHEM FAX: 650-361-6297