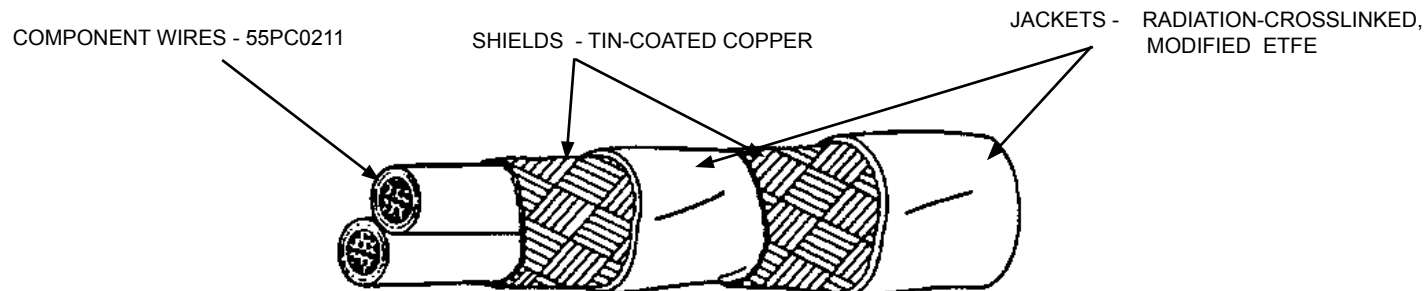


| SPECIFICATION CONTROL DRAWING                                                            |                                                                                  | 55PC6000        |               |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------|---------------|
| TITLE                                                                                    | TWO CONDUCTOR CABLE, DOUBLE SHIELDED, DOUBLE JACKETED, GENERAL PURPOSE, 600 VOLT | Date<br>5-15-13 | Revision<br>E |
| This specification sheet forms a part of the latest issue of Raychem Specification 55PC. |                                                                                  |                 |               |



| CABLE CONSTRUCTION DETAILS |                            |                                            |                                             |                |                                            |                                             |                |                             |                 |                        |                            |                        |
|----------------------------|----------------------------|--------------------------------------------|---------------------------------------------|----------------|--------------------------------------------|---------------------------------------------|----------------|-----------------------------|-----------------|------------------------|----------------------------|------------------------|
| PART NUMBER<br>1/          | CONDUCTOR<br>SIZE<br>(AWG) | 1 <sup>st</sup><br>SHIELD<br>SIZE<br>(AWG) | 1 <sup>st</sup> JACKET<br>THICKNESS ( in. ) |                | 2 <sup>nd</sup><br>SHIELD<br>SIZE<br>(AWG) | 2 <sup>nd</sup> JACKET<br>THICKNESS ( in. ) |                | OUTSIDE DIAMETER<br>( in. ) |                 |                        | WEIGHT<br>( lbs/1000 ft. ) |                        |
|                            |                            |                                            | LOWER<br>SPEC<br>LIMIT                      | TARGET<br>WALL |                                            | LOWER<br>SPEC<br>LIMIT                      | TARGET<br>WALL | LOWER<br>SPEC<br>LIMIT      | TARGET<br>VALUE | UPPER<br>SPEC<br>LIMIT | TARGET<br>VALUE            | UPPER<br>SPEC<br>LIMIT |
| 55PC6000-24-*              | 24                         | 38                                         | .0050                                       | .0065          | 38                                         | .0055                                       | .0070          | .136                        | .141            | .147                   | 16.70                      | 17.35                  |
| 55PC6000-22-*              | 22                         | 38                                         | .0055                                       | .0070          | 38                                         | .0055                                       | .0070          | .148                        | .154            | .160                   | 20.12                      | 20.84                  |
| 55PC6000-20-*              | 20                         | 38                                         | .0055                                       | .0070          | 38                                         | .0060                                       | .0075          | .166                        | .172            | .178                   | 25.22                      | 26.01                  |
| 55PC6000-18-*              | 18                         | 38                                         | .0055                                       | .0070          | 38                                         | .0060                                       | .0075          | .185                        | .191            | .197                   | 31.89                      | 32.82                  |
| 55PC6000-16-*              | 16                         | 38                                         | .0060                                       | .0075          | 38                                         | .0060                                       | .0075          | .201                        | .207            | .213                   | 37.45                      | 38.46                  |
| 55PC6000-14-*              | 14                         | 38                                         | .0060                                       | .0075          | 38                                         | .0060                                       | .0080          | .232                        | .238            | .245                   | 50.30                      | 51.48                  |
| 55PC6000-12-*              | 12                         | 38                                         | .0060                                       | .0080          | 38                                         | .0065                                       | .0085          | .271                        | .278            | .285                   | 69.20                      | 70.68                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                    |  |                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.<br>Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.                                                                                             |                                                                                                                                                                    |  |                                                                                                                                                                                                                 |
| 1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER. |                                                                                                                                                                    |  |                                                                                                                                                                                                                 |
| Page 1 of 2                                                                                                                                                                                                                                                                                                                                                                                                             | Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.                                                                                     |  | <br>Raychem Wire & Cable<br>501 Oaks Avenue<br>Redwood City, CA 94063-3800<br>Phone: 1-800-227-8816<br>Fax: 1-650-361-6297 |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.                                                                                             |  |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.<br>REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID. |  |                                                                                                                                                                                                                 |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

### VOLTAGE RATING: 600 volts (rms) at sea level

### CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

### DIELECTRIC WITHSTAND:

1500 volts (rms), 60 Hz conductor to conductor and shield

500 volts (rms), 60 Hz shield to shield

### JACKET COLOR: White preferred

### JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum) (each)

Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum) (each)

### JACKET FLAWS:

Spark Test, 1000 volts (rms)

Impulse Dielectric Test, 6.0 kV (peak)

### SHIELD COVERAGE:

85% (minimum) (each)

### VOLTAGE WITHSTAND (Post Environmental):

1000 volts (rms), 60 Hz, 1 minute

CABLE IDENTIFICATION: Mark outer jacket surface in a contrasting color at 12 inch (nominal) intervals as follows: " 55PC6000-AWG \*\* "

\*\* = Applicable Manufacturer CAGE code as follows:

06090 = Menlo Park, CA

SU473 = Tijuana, MX

### PART NUMBER:

The "\*" in the part numbers on page 1 shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the inner jacket color and a dash separating the inner jacket color from the outer jacket color.

1/ Example: AWG 22, red and blue component wires; white inner jacket and white outer jacket:  
55PC6000-22-2/6-9-9

1/ See footer section on page 1

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