

# SPECIFICATION CONTROL DRAWING

**55PC4821**

TITLE  
TWO CONDUCTOR CABLE, JACKETED, GENERAL PURPOSE, 600 VOLT

Date  
5-28-08

Revision  
A

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



| CONSTRUCTION DETAILS     |                            |                             |                |                             |                 |                        |                            |                        |
|--------------------------|----------------------------|-----------------------------|----------------|-----------------------------|-----------------|------------------------|----------------------------|------------------------|
| PART NUMBER<br><i>1/</i> | CONDUCTOR<br>SIZE<br>(AWG) | JACKET THICKNESS<br>( 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>VALUE | UPPER<br>SPEC<br>LIMIT | TARGET<br>VALUE            | UPPER<br>SPEC<br>LIMIT |
| 55PC4821-26-*            | 26                         | .0060                       | .0075          | .088                        | .092            | .096                   | 4.65                       | 5.25                   |
| 55PC4821-24-*            | 24                         | .0060                       | .0075          | .098                        | .102            | .106                   | 6.11                       | 6.77                   |
| 55PC4821-22-*            | 22                         | .0060                       | .0080          | .111                        | .115            | .119                   | 8.37                       | 9.14                   |
| 55PC4821-20-*            | 20                         | .0060                       | .0080          | .128                        | .132            | .136                   | 11.79                      | 12.68                  |
| 55PC4821-18-*            | 18                         | .0060                       | .0080          | .148                        | .152            | .156                   | 16.86                      | 18.07                  |
| 55PC4821-16-*            | 16                         | .0065                       | .0085          | .164                        | .169            | .174                   | 21.15                      | 22.54                  |

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.  
Tyco Electronics 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.

The TE logo, Tyco Electronics and Raychem are trademarks.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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 Wire & Cable  
501 Oakside Avenue  
Redwood City, CA 94063-3800  
Phone: 1-800-227-8816  
Fax: 1-650-361-6297

## 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

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

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

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 jacket color.

1/ Example: AWG 22, black and brown component wires; white jacket:  
55PC4821-22-0/1-9

1/ See footer section on page 1

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[55PC4821-20-6/9-9CS3285](#)