

# SPECIFICATION CONTROL DRAWING

SCD

**55PC0121**

Title TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT

Date 1-20-17

Revision E

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

COMPONENT WIRES - 55PC0111



| CABLE CONSTRUCTION DETAILS |                            |                            |                 |                     |                          |                     |
|----------------------------|----------------------------|----------------------------|-----------------|---------------------|--------------------------|---------------------|
| PART NUMBER<br><u>1/</u>   | CONDUCTOR<br>SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(inch) |                 |                     | WEIGHT<br>(lbs/1000 ft.) |                     |
|                            |                            | LOWER<br>SPEC LIMIT        | TARGET<br>VALUE | UPPER<br>SPEC LIMIT | TARGET<br>VALUE          | UPPER<br>SPEC LIMIT |
| 55PC0121-30-*              | 30                         | .044                       | .047            | .050                | 1.21                     | 1.29                |
| 55PC0121-28-*              | 28                         | .050                       | .053            | .056                | 1.69                     | 1.80                |
| 55PC0121-26-*              | 26                         | .058                       | .061            | .064                | 2.49                     | 2.67                |
| 55PC0121-24-*              | 24                         | .068                       | .071            | .074                | 3.66                     | 3.85                |
| 55PC0121-22-*              | 22                         | .080                       | .083            | .086                | 5.44                     | 5.67                |
| 55PC0121-20-*              | 20                         | .097                       | .099            | .101                | 8.32                     | 8.57                |
| 55PC0121-18-*              | 18                         | .115                       | .118            | .121                | 12.69                    | 13.14               |
| 55PC0121-16-*              | 16                         | .130                       | .133            | .136                | 16.21                    | 16.72               |
| 55PC0121-14-*              | 14                         | .158                       | .162            | .166                | 25.08                    | 25.74               |
| 55PC0121-12-*              | 12                         | .196                       | .200            | .204                | 38.80                    | 39.68               |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
Maximum continuous conductor temperature  
VOLTAGE RATING: 600 volts (rms) at sea level  
INSULATION FLAWS:  
Spark Test, 3.0 kV (rms)  
Impulse Dielectric Test, 6.0 kV (peak)

1/ PART NUMBER:  
The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors.  
Example: AWG 22, red and blue component wires:  
55PC0121-22-2/6

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.



**Raychem Wire & Cable**  
501 Oaks Avenue  
Redwood City, CA 94063-3800  
Phone: 1-800-522-6752  
Fax: 1-650-361-6297

# Mouser Electronics

Authorized Distributor

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## TE Connectivity:

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