

# SPECIFICATION CONTROL DRAWING

SCD

**55A0121**

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

Date 12-11-15

Revision E

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

COMPONENT WIRES - 55A0111



| CABLE CONSTRUCTION DETAILS |                         |                            |         |                                  |
|----------------------------|-------------------------|----------------------------|---------|----------------------------------|
| PART NUMBER<br><u>1/</u>   | CONDUCTOR SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(inch) |         | MAXIMUM WEIGHT<br>(lbs/1000 ft.) |
|                            |                         | NOMINAL                    | MAXIMUM |                                  |
| 55A0121-30-*               | 30                      | .048                       | .052    | 1.3                              |
| 55A0121-28-*               | 28                      | .054                       | .058    | 1.8                              |
| 55A0121-26-*               | 26                      | .064                       | .068    | 2.8                              |
| 55A0121-24-*               | 24                      | .074                       | .078    | 4.0                              |
| 55A0121-22-*               | 22                      | .086                       | .090    | 5.7                              |
| 55A0121-20-*               | 20                      | .100                       | .104    | 8.8                              |
| 55A0121-18-*               | 18                      | .120                       | .124    | 13.3                             |
| 55A0121-16-*               | 16                      | .136                       | .140    | 16.9                             |
| 55A0121-14-*               | 14                      | .170                       | .176    | 26.5                             |
| 55A0121-12-*               | 12                      | .206                       | .212    | 40.2                             |
| 55A0121-10-*               | 10                      | .256                       | .268    | 64.9                             |
| 55A0121-8-*                | 8                       | .376                       | .392    | 120.                             |

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS


TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms) at sea level  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 INSULATION FLAWS:  
 Spark Test, 5.7 kV (rms) at 3 kHz  
 Impulse Dielectric Test, 8.0 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 20, black and brown component wires:  
 55A0121-20-0/1

NOTE: Nominal values are for information only. Nominal values are not requirements.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. 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 1 | Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.   |  <p><b>Raychem Wire &amp; Cable</b><br/>                     501 Oakside Avenue<br/>                     Redwood City, CA 94063-3800<br/>                     Phone: 1-800-227-8816<br/>                     Fax: 1-650-361-6297</p> |
|             | 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. |   |

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