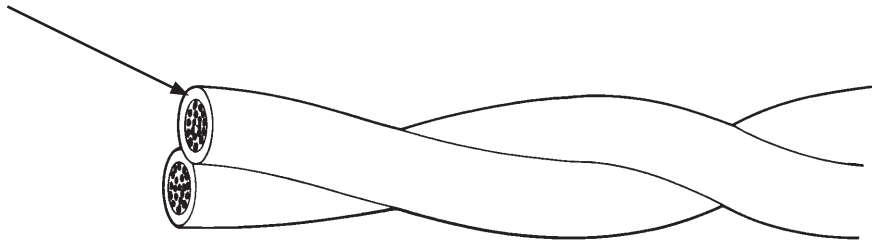


| SPECIFICATION CONTROL DRAWING                                                           |                                                                       |                 | 55/0322       |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------|---------------|
| TITLE                                                                                   | TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,<br>OUTER SPACE, 600 VOLT | Date<br>11-3-08 | Revision<br>C |
| This specification sheet forms a part of the latest issue of Raychem Specification 55/. |                                                                       |                 |               |

COMPONENT WIRES - 55/0312



| CABLE CONSTRUCTION DETAILS |                            |                           |         |                                     |
|----------------------------|----------------------------|---------------------------|---------|-------------------------------------|
| PART NUMBER<br><u>1/</u>   | CONDUCTOR<br>SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(in.) |         | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) |
|                            |                            | NOMINAL                   | MAXIMUM |                                     |
| 55/0322-28-*               | 28                         | .047                      | .050    | 1.62                                |
| 55/0322-26-*               | 26                         | .055                      | .058    | 2.39                                |
| 55/0322-24-*               | 24                         | .064                      | .067    | 3.58                                |
| 55/0322-22-*               | 22                         | .078                      | .081    | 5.40                                |
| 55/0322-20-*               | 20                         | .099                      | .102    | 8.57                                |
| 55/0322-18-*               | 18                         | .118                      | .121    | 13.14                               |
| 55/0322-16-*               | 16                         | .133                      | .136    | 16.71                               |
| 55/0322-14-*               | 14                         | .162                      | .166    | 25.73                               |
| 55/0322-12-*               | 12                         | .200                      | .204    | 39.67                               |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C  
Maximum continuous conductor temperature  
VOLTAGE RATING: 600 volts (rms) at sea level  
INSULATION FLAWS:  
Spark Test, 1.5 kV (rms) (28 - 24 AWG)  
3.0 kV (rms) (22 AWG and larger)  
Impulse Dielectric Test, 6.0 kV (peak)

PART NUMBER:  
The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors.  
1/ Example: AWG 22, black and brown component wires:  
55/0322-22-0/1

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.<br>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. |                                                                                                                                                                    |  |                                                                                                                                                                                                                    |
| Page 1 of 1                                                                                                                                                                                                                                                                                                                                                                                                            | The TE logo, Tyco Electronics, and Raychem are trademarks.                                                                                                         |  | <br>Raychem Wire & Cable<br>501 Oakside 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. |  |                                                                                                                                                                                                                    |