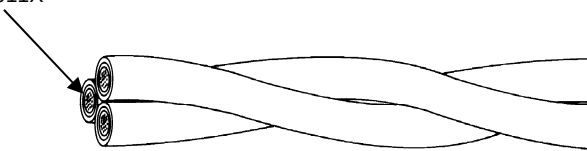


| SPECIFICATION CONTROL DRAWING                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                 |                                                                          |         | SCD                              |                                                                                                                                                                                                                                    | 44A013X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |          |  |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|--|---|
| Title                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                 | THREE CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT |         |                                  | Date                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11-3-15 | Revision |  | E |
| This specification sheet forms a part of the latest issue of Raychem Specification 44.                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| <div>COMPONENT WIRES - 44A011X</div>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| CABLE CONSTRUCTION DETAILS                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| PART NUMBER<br>1/                                                                                                                                                                                                                                                                                                                                                                                                              | CONDUCTOR SIZE<br>(AWG)                                                                                                                                         | OUTSIDE DIAMETER<br>(inch)                                               |         | MAXIMUM WEIGHT<br>(lbs/1000 ft.) |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                 | NOMINAL                                                                  | MAXIMUM |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-26-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 26                                                                                                                                                              | .073                                                                     | .078    | 4.3                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-24-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 24                                                                                                                                                              | .086                                                                     | .091    | 6.4                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-22-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 22                                                                                                                                                              | .102                                                                     | .106    | 9.5                              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-20-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 20                                                                                                                                                              | .119                                                                     | .123    | 14.1                             |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-18-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 18                                                                                                                                                              | .140                                                                     | .145    | 21.4                             |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-16-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 16                                                                                                                                                              | .156                                                                     | .162    | 27.2                             |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-14-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 14                                                                                                                                                              | .192                                                                     | .199    | 42.5                             |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| 44A013X-12-*                                                                                                                                                                                                                                                                                                                                                                                                                   | 12                                                                                                                                                              | .233                                                                     | .239    | 66.4                             |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| CABLE RATINGS AND ADDITIONAL REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| <p>TEMPERATURE RATING: 150°C<br/>Maximum continuous conductor temperature</p> <p>VOLTAGE RATING: 600 volts (rms) at sea level</p> <p>DIELECTRIC WITHSTAND:<br/>2500 volts (rms), 60 Hz, 1 minute</p> <p>INSULATION FLAWS:<br/>Spark Test, 5.7 kV (rms) at 3 kHz<br/>Impulse Dielectric Test, 8.0 kV (peak)</p>                                                                                                                 |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    | <p>1/ PART NUMBER:<br/>The "X" in the part numbers above shall be replaced with a conductor material designator as follows:</p> <ul style="list-style-type: none"><li>1 tin-coated copper</li><li>2 silver-coated copper</li><li>3 nickel-coated copper</li><li>4 silver-coated high-strength copper alloy (AWG 26-16 only)</li></ul> <p>The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors. Colors shown do not necessarily reflect the sequence of manufacturing.</p> <p>Example: AWG 20, tin-coated copper conductors; black, brown, and red component wires:<br/>44A0131-20-0/1/2</p> |         |          |  |   |
| <p>NOTE: Nominal values are for information only. Nominal values are not requirements.</p>                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| <p>Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.</p> <p>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.</p>                                                                                         |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| <p>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.</p> |                                                                                                                                                                 |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
| Page 1 of 1                                                                                                                                                                                                                                                                                                                                                                                                                    | Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.                                                                                 |                                                                          |         |                                  |  <div>Raychem Wire &amp; Cable<br/>501 Oakside Avenue<br/>Redwood City, CA 94063-3800<br/>Phone: 1-800-227-8816<br/>Fax: 1-650-361-6297</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                | 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. |                                                                          |         |                                  |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |          |  |   |

# Mouser Electronics

Authorized Distributor

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

## TE Connectivity:

[44A0131-26-0/2/9-US](#) [44A0131-16-0/2/9](#) [44A0131-22-0/2/6-US](#) [44A0131-20-9/93/96CS2275](#) [44A0131-16-9/93/96CS2275](#) [44A0131-12-3/6/9](#) [44A0131-16-1/45/6](#) [44A0131-26-3/6/9](#) [44A0131-20-0/2/9](#) [44A0131-22-3/6/9](#) [44A0131-20-0/2/6](#) [44A0131-12-0/2/9](#)