

# SPECIFICATION CONTROL DRAWING

SCD

**44A014X**

Title **FOUR CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,  
GENERAL PURPOSE, 600 VOLT**

Date **11-3-15**

Revision **G**

This specification sheet forms a part of the latest issue of Raychem Specification 44.

COMPONENT WIRES - 44A011X



| CABLE CONSTRUCTION DETAILS   |                            |                            |         |                                     |
|------------------------------|----------------------------|----------------------------|---------|-------------------------------------|
| PART NUMBER<br><sup>1/</sup> | CONDUCTOR<br>SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(inch) |         | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) |
|                              |                            | NOMINAL                    | MAXIMUM |                                     |
| 44A014X-26-*                 | 26                         | .082                       | .098    | 5.7                                 |
| 44A014X-24-*                 | 24                         | .097                       | .115    | 8.6                                 |
| 44A014X-22-*                 | 22                         | .114                       | .134    | 12.7                                |
| 44A014X-20-*                 | 20                         | .133                       | .156    | 18.8                                |
| 44A014X-18-*                 | 18                         | .157                       | .183    | 28.6                                |
| 44A014X-16-*                 | 16                         | .174                       | .205    | 36.3                                |
| 44A014X-14-*                 | 14                         | .215                       | .253    | 56.7                                |
| 44A014X-12-*                 | 12                         | .261                       | .306    | 88.5                                |
| 44A014X-10-*                 | 10                         | .312                       | .363    | 129.                                |

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms) at sea level  
 DIELECTRIC WITHSTAND:  
 2500 volts (rms), 60 Hz, 1 minute  
 INSULATION FLAWS:  
 Spark Test, 5.7 kV (rms) at 3 kHz  
 Impulse Dielectric Test, 8.0 kV (peak)

<sup>1/</sup> PART NUMBER:  
 The "X" in the part numbers above shall be replaced with a conductor material designator as follows:  
 1 tin-coated copper  
 2 silver-coated copper  
 3 nickel-coated copper  
 4 silver-coated high-strength copper alloy (AWG 26-16 only)  
 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.  
 Example: AWG 20, tin-coated copper conductors;  
 black, brown, red, and orange component wires:  
 44A0141-20-0/1/2/3

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.

<sup>1/</sup> 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.

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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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