

# SPECIFICATION CONTROL DRAWING

**44A013X**

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

Date 10-31-05

Revision D

This specification sheet forms a part of the latest issue of Raychem Specification 44 and MIL-W-81044 as applicable.

COMPONENT WIRES – 44A011X



## CABLE CONSTRUCTION DETAILS

PART NUMBER <sup>1/</sup>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (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

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

INSULATION FLAWS:

Spark Test: 5.7 kV (rms) at 3 kHz

Impulse Dielectric Test, 8.0 kV (peak)

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's 26-16 only)

The "\*" in the part numbers above shall be replaced by color code designators with a slash separating component wire colors. Colors shown do not necessarily reflect the sequence of manufacturing

<sup>1/</sup> Example: AWG 20, tin-coated copper wires;  
black, brown and red component wires:  
44A0131-20-0/1/2

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 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.

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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