

# SPECIFICATION CONTROL DRAWING

**44A016X**

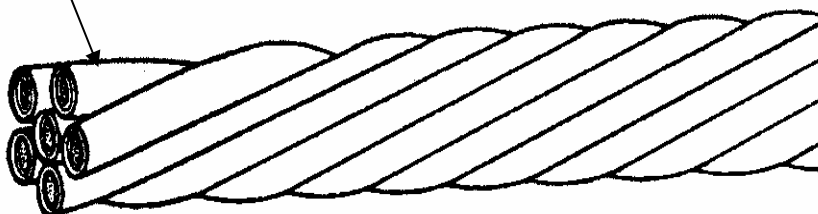
Title SIX CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,  
GENERAL PURPOSE, 600 VOLT

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 1/	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lbs/1000 ft)
		NOMINAL	MAXIMUM	
44A016X-26-*	26	.102	.108	8.3
44A016X-24-*	24	.120	.126	12.8
44A016X-22-*	22	.141	.147	19.0
44A016X-20-*	20	.165	.171	28.2
44A016X-18-*	18	.195	.201	42.8
44A016X-16-*	16	.215	.224	54.4
44A016X-14-*	14	.267	.277	85.1
44A016X-12-*	12	.324	.336	132.

## 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, for 1 minute.

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

1/ Example: AWG 20, tin-coated copper wires;  
black, brown, red, orange, yellow and green components:  
44A0161-20-0/1/2/3/4/5

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.*

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.

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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