

# SPECIFICATION CONTROL DRAWING

**44A012X**

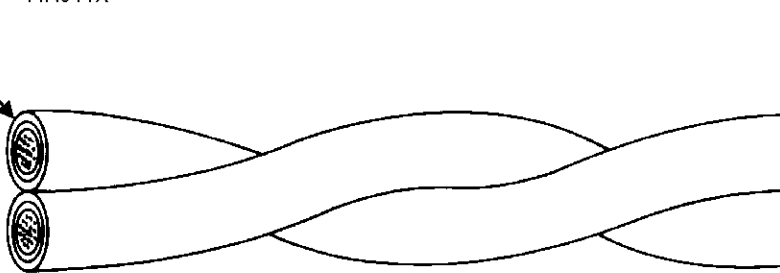
Title TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT

Date 18MAR11

Revision D1

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	
44A012X-26-*	26	.068	.072	2.9
44A012X-24-*	24	.080	.084	4.3
44A012X-22-*	22	.094	.098	6.3
44A012X-20-*	20	.110	.114	9.4
44A012X-18-*	18	.130	.134	14.3
44A012X-16-*	16	.144	.150	18.1
44A012X-14-*	14	.178	.185	28.4
44A012X-12-*	12	.216	.224	44.3

### 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:

1/ Example: AWG 20, tin-coated copper wires;  
 black and brown component wires:  
 44A0121-20-0/1

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.*

TE CONNECTIVITY 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.