



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# SPECIFICATION CONTROL DRAWING

**44A012X**

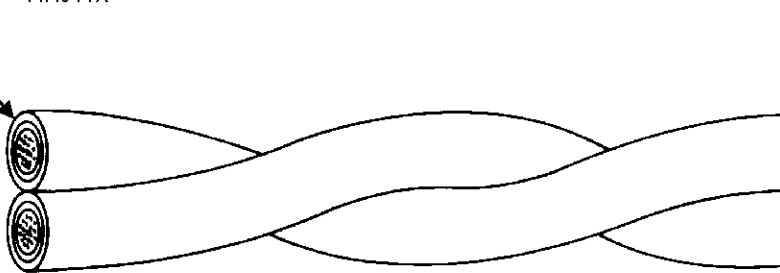
Title TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT

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<br>1/          | CONDUCTOR SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(inches) |         | MAXIMUM WEIGHT<br>(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.

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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