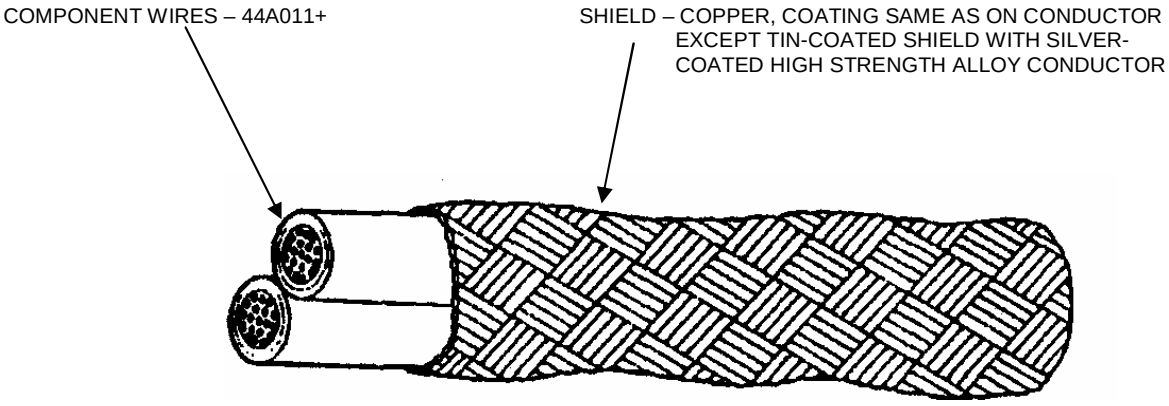
SPECIFICATION CONTROL DRAWING

44A312+

Title	Date	Revision
TWO CONDUCTOR CABLE, SHIELDED, GENERAL PURPOSE, 600 VOLT	11-11-05	D

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



CABLE CONSTRUCTION DETAILS					
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MAXIMUM	
44A312+-26-*	26	38	.085	.091	6.1
44A312+-24-*	24	36	.102	.109	9.8
44A312+-22-*	22	36	.116	.123	12.1
44A312+-20-*	20	36	.132	.139	16.5
44A312+-18-*	18	36	.152	.160	22.4
44A312+-16-*	16	36	.166	.174	27.3
44A312+-14-*	14	36	.200	.209	39.7
44A312+-12-*	12	36	.238	.247	58.3

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
SHIELD COVERAGE: 85% (minimum)

PART NUMBER:
The "+" in the part numbers above shall be replaced by the applicable 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)
6 nickel-coated high strength copper alloy (awg's 26-20 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:
44A3121-20-0/1

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.

tyco Electronics

Raychem Wire & Cable
501 Oakside Avenue
Redwood City, CA 94063-3800
Phone: 1-800-227-8816
Fax: 1-650-361-6297

© 2005 Tyco Electronics Corporation. All rights reserved.

Downloaded from Arrow.com.