

SPECIFICATION CONTROL DRAWING

44AM312+

Title

TWO CONDUCTOR CABLE, SHIELDED, GENERAL PURPOSE, 600 VOLT

Date

1-6-06

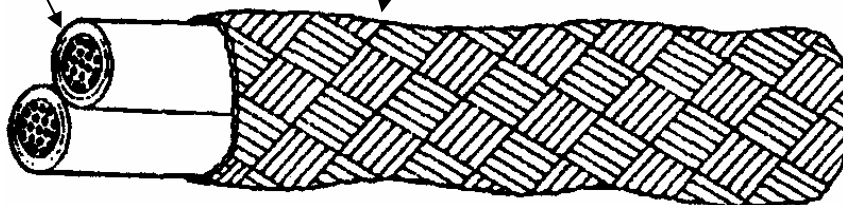
Revision

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This specification sheet forms a part of the latest issue of Raychem Specification 44 and NEMA WC 27500 as applicable.

COMPONENT WIRES – 44A011+

SHIELD – COPPER, COATING SAME AS ON CONDUCTOR
EXCEPT TIN-COATED SHIELD WITH SILVER-
COATED HIGH STRENGTH ALLOY CONDUCTOR



CABLE CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MAXIMUM	
44AM312+-26-*	26	38	.085	.090	6.1
44AM312+-24-*	24	38	.097	.102	8.0
44AM312+-22-*	22	38	.111	.116	10.7
44AM312+-20-*	20	38	.127	.132	14.3
44AM312+-18-*	18	38	.147	.152	19.9
44AM312+-16-*	16	38	.161	.168	24.4
44AM312+-14-*	14	38	.195	.205	35.9
44AM312+-12-*	12	38	.233	.242	53.2

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz,

15 seconds (minimum), 30 seconds (maximum)

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:
44AM3121-20-0/1

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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.

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