

SPECIFICATION CONTROL DRAWING

44AM314+

Title

FOUR CONDUCTOR CABLE, SHIELDED, GENERAL PURPOSE, 600 VOLT

Date

1-10-06

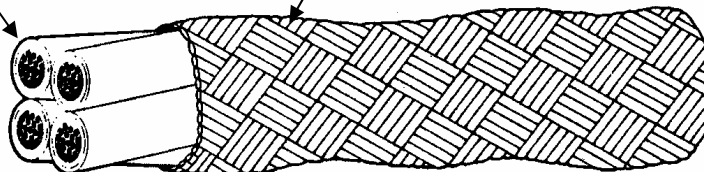
Revision

C

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 ^{1/}	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MAXIMUM	
44AM314+-26-*	26	38	.099	.116	10.0
44AM314+-24-*	24	38	.114	.132	13.2
44AM314+-22-*	22	38	.131	.152	18.1
44AM314+-20-*	20	38	.150	.173	25.1
44AM314+-18-*	18	38	.174	.201	35.7
44AM314+-16-*	16	38	.191	.223	43.8
44AM314+-14-*	14	38	.232	.272	64.5
44AM314+-12-*	12	38	.278	.324	95.3

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.

Colors shown do not necessarily reflect the sequence of manufacturing.

^{1/} Example: AWG 20, tin-coated copper wires; black, brown, red and orange: 44AM3141-20-0/1/2/3

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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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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