

44AM412X-24-*	24	.005	.010	.096	.102	6.4
44AM412X-22-*	22	.005	.010	.110	.117	8.7
44AM412X-20-*	20	.005	.010	.126	.133	12.1
44AM412X-18-*	18	.005	.010	.146	.153	17.5
44AM412X-16-*	16	.005	.010	.160	.168	21.7
44AM412X-14-*	14	.006	.012	.196	.204	33.4
44AM412X-12-*	12	.007	.014	.234	.243	51.0

TABLE II. CABLE PERFORMANCE DETAILS								
PART NUMBER <u>1</u> /	BEND TESTING							
	MANDREL DIAMETER (inch) (± 3%)		WEIGHT (lb) (± 3%)					
	IMMERSION AND CROSSLINKED VERIFICATION	COLD BEND	IMMERSION AND CROSSLINKED VERIFICATION	COLD BEND				
44AM412X-26-*	3.00	3.00	.250	1.50				
44AM412X-24-*	3.00	3.00	.375	1.50				
44AM412X-22-*	3.00	3.00	.375	3.00				
44AM412X-20-*	6.00	6.00	.375	3.00				
44AM412X-18-*	6.00	6.00	.500	3.00				
44AM412X-16-*	6.00	6.00	.500	3.00				
44AM412X-14-*	6.00	6.00	1.00	9.00				
44AM412X-12-*	6.00	6.00	1.00	9.00				

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. 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 COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, 1/ 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 m Wire & Cable DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL. CD

Page 1 of 2

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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WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C;

Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level BLOCKING: 150 ± 3°C for 6 hours

CROSSLINK VERIFICATION: $200 \pm 5^{\circ}$ C for 6 hours

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

15 seconds (minimum), 30 seconds (maximum)

FLAMMABILITY: 30 seconds (maximum); 3 in. (maximum); no flaming of facial tissue. IMMERSION: Diameter increase 5% (maximum), no cracking, no dielectric breakdown

JACKET COLOR: White preferred

JACKET CONCENTRICITY: 70% (minimum)

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 200% (minimum)

Tensile strength, 4000 lbf/in² (minimum)

LOW TEMPERATURE-COLD BEND: -55 ± 5°C for 4 hours

PART NUMBER

The "X" in the part numbers on page 1 shall be replaced by the applicable conductor material designators 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 on page 1 shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

1/ Example: 20 Awg, tin-coated copper wires, black and brown component wires; white jacket: 44AM4121-20-0/1-9

1/ See footer section on page 1

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8916-GRY-100 8917-BLK-100 8918-GRN/YEL-100 8920-BRN-1000 8920-RED-1000 89907-LT-DEC/GRY-500 CR3909-000 CR3927-000 01342.35T.01 01364.35T.01 CS2885-000 CS8782-000 CS9912-000 6200UE-NAT-U1000 CTC-0062-20-9/5-9 CTC-0062-22-9/5-9 6304FE-877-U500 6309UE-877-1000 6320UE-NAT-U1000 644833-000 6502FE 8771000 6504UE-877-U1000 CW9530-000 CX6543-000 CXA-0066-20-4-9CS2973 CXA-0078-16-1-9CS2405 CXA-0078-22-4-9CS2405 CXA-0078-24-4-9CS2405 CXA-0140-16-6/9-9CS2405 CY0660-000 706/2R-BLACK-EACH 720451-000 730859-000 MCC-USB-4-250 752687-000 768146-000 773159-000 7934A-BLK-1000 8125-CHR-100 8164-CHR-1000 820457-000 8205-CHR-1000 8240-BLK-U1000 82723-NAT-1000 82907-NAT-500 83003-YEL-500 83005-WHT-500 83006-DK-GRN-100 83008-WHT-1000 83009-BLK-100