| EC | FICAT | ION CC |)NTRO |)LDRA | WING | G | | | 44AM112 |
|--|---|--|---|--|--|--|---|---|---|
| | CONDUCTOR CA | | | | | | Date 18 | MAR11 | Revision D1 |
| This | specification she | et form <u>s a part</u> | of the latest is: | sue of Raycher | n Specificat | tion 44 and | I MIL-DT | L-2750 <u>0</u> as a | pplicable. |
| C | COMPONENT W | IRES - 44A0111X | E | COPPER, COAT EXCEPT TIN CO SILVER COATE ALLOY CONDUC | DATED SHI D HIGH ST | ELD WITH | | (et - Radiati Modifie | ON-CROSSLINKE ED PVF2 |
| P/ | ART NUMBER | CONDUCTOR | DNDUCTOR SHIELD | ABLE CONSTRUCTION DETAILS | | ETAILS | OUTSIDE DIAMETER | | MAXIMUM WEIGHT |
| | <u>1</u> / | | | , | n.) MAXIMU | | , | in.) MAXIMUM | (lbs/1000 ft.) |
| | _ | | | MINIMUM | | M NOI | VIINAL | | |
| 44 | - 4AM112X-26-* | 26 | 38 | .005 | .010 | | 01 | .108 | 8.2 |
| 44 | 4AM112X-26-* 4AM112X-24-* | 26 24 | 38 | .005 .005 | .010 .010 | .1 | | | 10.4 |
| 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* | | 38 38 | .005 .005 .005 | .010 .010 .010 | 1 | 01 13 27 | .108 .120 .134 | 10.4 13.3 |
| 44 44 | 4AM112X-26-* 4AM112X-24-* | 24 22 20 | 38 38 38 | .005 .005 .005 .005 | .010 .010 .010 .010 | .1 | 01 13 27 43 | .108 .120 .134 .150 | 10.4 13.3 17.2 |
| 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-20-* | 24 22 20 18 | 38 38 38 38 38 | .005 .005 .005 .005 .005 | .010 .010 .010 .010 .010 | .1 | 01 13 27 43 63 | .108 .120 .134 .150 .171 | 10.4 13.3 17.2 23.3 |
| 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* | 24 22 20 18 16 | 38 38 38 38 38 38 | .005 .005 .005 .005 .005 .005 .006 | .010 .010 .010 .010 .010 .012 | 1. 1. 1. 1. 1. 1. | 01 13 27 43 63 79 | .108 .120 .134 .150 .171 .187 | 10.4 13.3 17.2 23.3 28.5 |
| 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* | 24 22 20 18 16 14 | 38 38 38 38 38 38 38 38 | .005 .005 .005 .005 .005 .005 .006 | .010 .010 .010 .010 .010 .012 .012 | .1 .1 .1 .1 .1 .1 .1 .1 | 01 13 27 43 63 79 213 | .108 .120 .134 .150 .171 .187 .222 | 10.4 13.3 17.2 23.3 28.5 40.8 |
| 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* | 24 22 20 18 16 | 38 38 38 38 38 38 | .005 .005 .005 .005 .005 .005 .006 | .010 .010 .010 .010 .010 .012 | .1 .1 .1 .1 .1 .1 .1 .1 | 01 13 27 43 63 79 | .108 .120 .134 .150 .171 .187 | 10.4 13.3 17.2 23.3 28.5 |
| 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* | 24 22 20 18 16 14 | 38 38 38 38 38 38 38 38 38 TABLE II. | .005 .005 .005 .005 .005 .005 .006 | .010 .010 .010 .010 .010 .012 .012 .014 | | 01 13 27 43 63 79 213 251 | .108 .120 .134 .150 .171 .187 .222 | 10.4 13.3 17.2 23.3 28.5 40.8 |
| 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* | 24 22 20 18 16 14 | 38 38 38 38 38 38 38 38 38 TABLE II. | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC | .010 .010 .010 .010 .012 .012 .014 | | 01 13 27 43 63 79 213 251 | .108 .120 .134 .150 .171 .187 .222 .262 WEIGHT | 10.4 13.3 17.2 23.3 28.5 40.8 |
| 44 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* | 24 22 20 18 16 14 12 IMMEF CROS | 38 38 38 38 38 38 38 38 TABLE II. | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC | .010 .010 .010 .010 .012 .012 .014 DRMANCE BEND TE | LI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 01 13 27 43 63 79 213 251 | .108 .120 .134 .150 .171 .187 .222 .262 .262 WEIGHT) (± 3%) D | 10.4 13.3 17.2 23.3 28.5 40.8 |
| 44 44 44 44 44 44 | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* 4AM112X-12-* | 24 22 20 18 16 14 12 IMMEF CROS VERI | 38 38 38 38 38 38 38 38 38 38 38 38 38 3 | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC DIAMETER (± 3%) | .010 .010 .010 .010 .012 .012 .014 DRMANCE BEND TE | DETAILS STING | 01 13 27 43 63 79 13 251 (Ik SION AN SLINKED | .108 .120 .134 .150 .171 .187 .222 .262 .262 WEIGHT) (± 3%) D | 10.4 13.3 17.2 23.3 28.5 40.8 58.9 |
| | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* 4AM112X-12-* PART NUMBER <u>1</u> / | 24 22 20 18 16 14 12 IMMEF CROS VERII | 38 38 38 38 38 38 38 38 38 38 38 38 38 3 | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC .DIAMETER (± 3%) COLD BEND | .010 .010 .010 .010 .012 .012 .014 DRMANCE BEND TE | DETAILS STING | 01 13 27 43 63 79 213 251 51 SION AN SLINKED ICATION | .108 .120 .134 .150 .171 .187 .222 .262 .262 WEIGHT) (± 3%) D | 10.4 13.3 17.2 23.3 28.5 40.8 58.9 58.9 |
| | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* 4AM112X-12-* PART NUMBER <u>1</u> / 44AM112X-26-* | 24 22 20 18 16 14 12 IMMEF CROS VERII | 38 38 38 38 38 38 38 38 38 38 38 38 38 3 | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC .DIAMETER (± 3%) COLD BEND 3.00 | .010 .010 .010 .010 .012 .012 .014 DRMANCE BEND TE | DETAILS STING | 01 13 27 43 63 79 213 251 51 51 51 51 51 51 51 51 51 51 51 51 5 | .108 .120 .134 .150 .171 .187 .222 .262 .262 WEIGHT) (± 3%) D | 10.4 13.3 17.2 23.3 28.5 40.8 58.9 58.9 COLD BEND 1.50 |
| | 4AM112X-26-* 4AM112X-24-* 4AM112X-22-* 4AM112X-20-* 4AM112X-18-* 4AM112X-16-* 4AM112X-14-* 4AM112X-12-* PART NUMBER <u>1</u> / 44AM112X-26-* 44AM112X-26-* | 24 22 20 18 16 14 12 IMMEF CROS VERII | 38 38 38 38 38 38 38 38 38 38 38 38 38 3 | .005 .005 .005 .005 .006 .006 .007 CABLE PERFC .DIAMETER (± 3%) COLD BEND 3.00 3.00 | .010 .010 .010 .010 .012 .012 .014 | LIMMER: CROS VERIF | 01 13 27 43 63 79 13 51 51 51 SION AN SLINKED ICATION 250 375 | .108 .120 .134 .150 .171 .187 .222 .262 .262 WEIGHT) (± 3%) D | 10.4 13.3 17.2 23.3 28.5 40.8 58.9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |

NOTE: Nominal values are for information only. Nominal values are not requirements.

6.00

6.00

10.00

44AM112X-16-*

44AM112X-14-*

44AM112X-12-*

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.
tecommetrivy 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,
ANALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "90/1890..." MAY BE REPLACE BY "Axx") OTHER CODES AND
SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

6.00

6.00

10.00

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.



3.00

9.00

9.00

.500

1.00

1.00

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

| 7 | ETE |
|----|--------------|
| ΤE | Connectivity |

44AM112X

CABLE 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 CROSSLINKED VERIFICATION: 200 ± 5°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) JACKET FLAWS: Spark Test, 1.5 kV (rms) Impulse Dielectric Test, 6.0 kV (peak) LOW TEMPERATURE-COLD BEND: -55 ± 5 °C for 4 hours SHIELD COVERAGE: 85% (minimum) VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL): 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "X" in the part numbers on page 1 shall be replaced by the applicable conductor material designators as follow:

- 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: AWG 24, tin-coated copper, black and brown component wires; white jacket: 44AM1121-24-0/1-9

 $\underline{1}$ / See footer section on page 1.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: 44AM1121-22-9/96-9