EC	<b>FICAT</b>	<b>ION CC</b>	)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.

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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.

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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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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/in<sup>2</sup> (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: 44AM1121-24-0/9-9