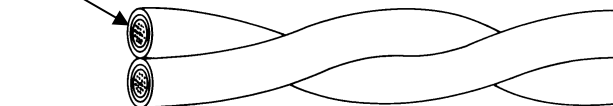


SPECIFICATION CONTROL DRAWING			SCD 44A012X																																																					
Title	TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT	Date 11-3-15	Revision E																																																					
This specification sheet forms a part of the latest issue of Raychem Specification 44.																																																								
COMPONENT WIRES - 44A011X  <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="5" style="padding: 5px;">CABLE CONSTRUCTION DETAILS</th> </tr> <tr> <th rowspan="2" style="width: 20%; padding: 5px;">PART NUMBER <u>1/</u></th> <th rowspan="2" style="width: 15%; padding: 5px;">CONDUCTOR SIZE (AWG)</th> <th colspan="2" style="width: 25%; padding: 5px;">OUTSIDE DIAMETER (inch)</th> <th rowspan="2" style="width: 20%; padding: 5px;">MAXIMUM WEIGHT (lbs/1000 ft.)</th> </tr> <tr> <th style="width: 10%; padding: 5px;">NOMINAL</th> <th style="width: 10%; padding: 5px;">MAXIMUM</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">44A012X-26-*</td><td style="padding: 5px;">26</td><td style="padding: 5px;">.068</td><td style="padding: 5px;">.072</td><td style="padding: 5px;">2.9</td></tr> <tr><td style="padding: 5px;">44A012X-24-*</td><td style="padding: 5px;">24</td><td style="padding: 5px;">.080</td><td style="padding: 5px;">.084</td><td style="padding: 5px;">4.3</td></tr> <tr><td style="padding: 5px;">44A012X-22-*</td><td style="padding: 5px;">22</td><td style="padding: 5px;">.094</td><td style="padding: 5px;">.098</td><td style="padding: 5px;">6.3</td></tr> <tr><td style="padding: 5px;">44A012X-20-*</td><td style="padding: 5px;">20</td><td style="padding: 5px;">.110</td><td style="padding: 5px;">.114</td><td style="padding: 5px;">9.4</td></tr> <tr><td style="padding: 5px;">44A012X-18-*</td><td style="padding: 5px;">18</td><td style="padding: 5px;">.130</td><td style="padding: 5px;">.134</td><td style="padding: 5px;">14.3</td></tr> <tr><td style="padding: 5px;">44A012X-16-*</td><td style="padding: 5px;">16</td><td style="padding: 5px;">.144</td><td style="padding: 5px;">.150</td><td style="padding: 5px;">18.1</td></tr> <tr><td style="padding: 5px;">44A012X-14-*</td><td style="padding: 5px;">14</td><td style="padding: 5px;">.178</td><td style="padding: 5px;">.185</td><td style="padding: 5px;">28.4</td></tr> <tr><td style="padding: 5px;">44A012X-12-*</td><td style="padding: 5px;">12</td><td style="padding: 5px;">.216</td><td style="padding: 5px;">.224</td><td style="padding: 5px;">44.3</td></tr> </tbody> </table> CABLE RATINGS AND ADDITIONAL REQUIREMENTS TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level DIELECTRIC WITHSTAND: 2500 volts (rms), 60 Hz, 1 minute INSULATION FLAWS: Spark Test, 5.7 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak) <u>1/</u> PART NUMBER: The "X" in the part numbers above shall be replaced with a 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 26-16 only) The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors. Example: AWG 20, tin-coated copper conductors; black and brown component wires: 44A0121-20-0/1					CABLE CONSTRUCTION DETAILS					PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	NOMINAL	MAXIMUM	44A012X-26-*	26	.068	.072	2.9	44A012X-24-*	24	.080	.084	4.3	44A012X-22-*	22	.094	.098	6.3	44A012X-20-*	20	.110	.114	9.4	44A012X-18-*	18	.130	.134	14.3	44A012X-16-*	16	.144	.150	18.1	44A012X-14-*	14	.178	.185	28.4	44A012X-12-*	12	.216	.224	44.3
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Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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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