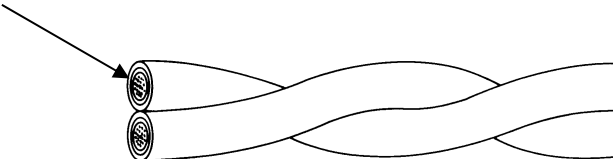


SPECIFICATION CONTROL DRAWING		SCD		44A082X																																																															
Title TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, 600 VOLT		Date 11-3-15		Revision E																																																															
This specification sheet forms a part of the latest issue of Raychem Specification 44.																																																																			
COMPONENT WIRES - 44A081X  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <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> <tr><td style="padding: 2px 5px;">44A082X-26-*</td><td style="text-align: center; padding: 2px 5px;">26</td><td style="text-align: center; padding: 2px 5px;">.096</td><td style="text-align: center; padding: 2px 5px;">.100</td><td style="text-align: center; padding: 2px 5px;">3.9</td></tr> <tr><td style="padding: 2px 5px;">44A082X-24-*</td><td style="text-align: center; padding: 2px 5px;">24</td><td style="text-align: center; padding: 2px 5px;">.108</td><td style="text-align: center; padding: 2px 5px;">.112</td><td style="text-align: center; padding: 2px 5px;">5.5</td></tr> <tr><td style="padding: 2px 5px;">44A082X-22-*</td><td style="text-align: center; padding: 2px 5px;">22</td><td style="text-align: center; padding: 2px 5px;">.124</td><td style="text-align: center; padding: 2px 5px;">.130</td><td style="text-align: center; padding: 2px 5px;">8.0</td></tr> <tr><td style="padding: 2px 5px;">44A082X-20-*</td><td style="text-align: center; padding: 2px 5px;">20</td><td style="text-align: center; padding: 2px 5px;">.140</td><td style="text-align: center; padding: 2px 5px;">.146</td><td style="text-align: center; padding: 2px 5px;">11.2</td></tr> <tr><td style="padding: 2px 5px;">44A082X-18-*</td><td style="text-align: center; padding: 2px 5px;">18</td><td style="text-align: center; padding: 2px 5px;">.160</td><td style="text-align: center; padding: 2px 5px;">.166</td><td style="text-align: center; padding: 2px 5px;">16.3</td></tr> <tr><td style="padding: 2px 5px;">44A082X-16-*</td><td style="text-align: center; padding: 2px 5px;">16</td><td style="text-align: center; padding: 2px 5px;">.178</td><td style="text-align: center; padding: 2px 5px;">.186</td><td style="text-align: center; padding: 2px 5px;">20.6</td></tr> <tr><td style="padding: 2px 5px;">44A082X-14-*</td><td style="text-align: center; padding: 2px 5px;">14</td><td style="text-align: center; padding: 2px 5px;">.216</td><td style="text-align: center; padding: 2px 5px;">.224</td><td style="text-align: center; padding: 2px 5px;">31.6</td></tr> <tr><td style="padding: 2px 5px;">44A082X-12-*</td><td style="text-align: center; padding: 2px 5px;">12</td><td style="text-align: center; padding: 2px 5px;">.252</td><td style="text-align: center; padding: 2px 5px;">.260</td><td style="text-align: center; padding: 2px 5px;">46.9</td></tr> <tr><td style="padding: 2px 5px;">44A082X-10-*</td><td style="text-align: center; padding: 2px 5px;">10</td><td style="text-align: center; padding: 2px 5px;">.310</td><td style="text-align: center; padding: 2px 5px;">.320</td><td style="text-align: center; padding: 2px 5px;">72.8</td></tr> <tr><td style="padding: 2px 5px;">44A082X-8-*</td><td style="text-align: center; padding: 2px 5px;">8</td><td style="text-align: center; padding: 2px 5px;">.428</td><td style="text-align: center; padding: 2px 5px;">.440</td><td style="text-align: center; padding: 2px 5px;">128.</td></tr> </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 (AWG 24-8 only) 3 nickel-coated copper (AWG 24-12 only) 4 silver-coated high-strength copper alloy (AWG 26-20 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: 44A0821-20-0/1						CABLE CONSTRUCTION DETAILS					PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	NOMINAL	MAXIMUM	44A082X-26-*	26	.096	.100	3.9	44A082X-24-*	24	.108	.112	5.5	44A082X-22-*	22	.124	.130	8.0	44A082X-20-*	20	.140	.146	11.2	44A082X-18-*	18	.160	.166	16.3	44A082X-16-*	16	.178	.186	20.6	44A082X-14-*	14	.216	.224	31.6	44A082X-12-*	12	.252	.260	46.9	44A082X-10-*	10	.310	.320	72.8	44A082X-8-*	8	.428	.440	128.
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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.																																																																			
<u>1/</u> 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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