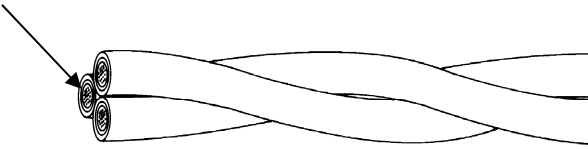


SPECIFICATION CONTROL DRAWING		SCD		44A083X																																																																									
Title THREE CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, 600 VOLT		Date 11-11-15		Revision H																																																																									
This specification sheet forms a part of the latest issue of Raychem Specification 44.																																																																													
COMPONENT WIRES - 44A081X  <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="5" style="font-weight: normal; font-size: 0.8em;">CABLE CONSTRUCTION DETAILS</th> </tr> <tr> <th rowspan="2" style="font-size: 0.8em;">PART NUMBER <u>1/</u></th> <th rowspan="2" style="font-size: 0.8em;">CONDUCTOR SIZE (AWG)</th> <th colspan="2" style="font-size: 0.8em;">OUTSIDE DIAMETER (inch)</th> <th rowspan="2" style="font-size: 0.8em;">MAXIMUM WEIGHT (lbs/1000 ft.)</th> </tr> <tr> <th style="font-size: 0.7em;">NOMINAL</th> <th style="font-size: 0.7em;">MAXIMUM</th> </tr> <tr><td>44A083X-26-*</td><td>26</td><td>.104</td><td>.108</td><td>5.8</td></tr> <tr><td>44A083X-24-*</td><td>24</td><td>.117</td><td>.121</td><td>8.3</td></tr> <tr><td>44A083X-22-*</td><td>22</td><td>.134</td><td>.140</td><td>11.9</td></tr> <tr><td>44A083X-20-*</td><td>20</td><td>.151</td><td>.158</td><td>16.8</td></tr> <tr><td>44A083X-18-*</td><td>18</td><td>.173</td><td>.179</td><td>24.5</td></tr> <tr><td>44A083X-16-*</td><td>16</td><td>.192</td><td>.201</td><td>30.9</td></tr> <tr><td>44A083X-14-*</td><td>14</td><td>.233</td><td>.242</td><td>47.4</td></tr> <tr><td>44A083X-12-*</td><td>12</td><td>.272</td><td>.281</td><td>70.4</td></tr> <tr><td>44A083X-10-*</td><td>10</td><td>.335</td><td>.346</td><td>109.</td></tr> <tr><td>44A083X-8-*</td><td>8</td><td>.462</td><td>.475</td><td>192.</td></tr> <tr><td>44A083X-6-*</td><td>6</td><td>.570</td><td>.585</td><td>304.</td></tr> <tr><td>44A083X-4-*</td><td>4</td><td>.691</td><td>.708</td><td>468.</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 24-4 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. Colors shown do not necessarily reflect the sequence of manufacturing. Example: AWG 20, tin-coated copper conductors; black, brown, and red component wires: 44A0831-20-0/1/2 NOTE: Nominal values are for information only. Nominal values are not requirements.						CABLE CONSTRUCTION DETAILS					PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	NOMINAL	MAXIMUM	44A083X-26-*	26	.104	.108	5.8	44A083X-24-*	24	.117	.121	8.3	44A083X-22-*	22	.134	.140	11.9	44A083X-20-*	20	.151	.158	16.8	44A083X-18-*	18	.173	.179	24.5	44A083X-16-*	16	.192	.201	30.9	44A083X-14-*	14	.233	.242	47.4	44A083X-12-*	12	.272	.281	70.4	44A083X-10-*	10	.335	.346	109.	44A083X-8-*	8	.462	.475	192.	44A083X-6-*	6	.570	.585	304.	44A083X-4-*	4	.691	.708	468.
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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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