



SPECIFICATION CONTROL DRAWING		SCD	55A0121																																																																								
Title	TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, GENERAL PURPOSE, 600 VOLT	Date 12-11-15	Revision E																																																																								
This specification sheet forms a part of the latest issue of Raychem Specification 55A.																																																																											
<div style="margin-bottom: 20px;">             COMPONENT WIRES - 55A0111              </div> <div style="text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="5">CABLE CONSTRUCTION DETAILS</th> </tr> <tr> <th rowspan="2">PART NUMBER <u>1/</u></th> <th rowspan="2">CONDUCTOR SIZE (AWG)</th> <th colspan="2">OUTSIDE DIAMETER (inch)</th> <th rowspan="2">MAXIMUM WEIGHT (lbs/1000 ft.)</th> </tr> <tr> <th>NOMINAL</th> <th>MAXIMUM</th> </tr> <tr><td>55A0121-30-*</td><td>30</td><td>.048</td><td>.052</td><td>1.3</td></tr> <tr><td>55A0121-28-*</td><td>28</td><td>.054</td><td>.058</td><td>1.8</td></tr> <tr><td>55A0121-26-*</td><td>26</td><td>.064</td><td>.068</td><td>2.8</td></tr> <tr><td>55A0121-24-*</td><td>24</td><td>.074</td><td>.078</td><td>4.0</td></tr> <tr><td>55A0121-22-*</td><td>22</td><td>.086</td><td>.090</td><td>5.7</td></tr> <tr><td>55A0121-20-*</td><td>20</td><td>.100</td><td>.104</td><td>8.8</td></tr> <tr><td>55A0121-18-*</td><td>18</td><td>.120</td><td>.124</td><td>13.3</td></tr> <tr><td>55A0121-16-*</td><td>16</td><td>.136</td><td>.140</td><td>16.9</td></tr> <tr><td>55A0121-14-*</td><td>14</td><td>.170</td><td>.176</td><td>26.5</td></tr> <tr><td>55A0121-12-*</td><td>12</td><td>.206</td><td>.212</td><td>40.2</td></tr> <tr><td>55A0121-10-*</td><td>10</td><td>.256</td><td>.268</td><td>64.9</td></tr> <tr><td>55A0121-8-*</td><td>8</td><td>.376</td><td>.392</td><td>120.</td></tr> </table> </div> <div style="text-align: center; margin-top: 20px;"> <b>CABLE RATINGS AND ADDITIONAL REQUIREMENTS</b> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>TEMPERATURE RATING: 150°C Maximum continuous conductor temperature</p> <p>VOLTAGE RATING: 600 volts (rms) at sea level</p> <p>DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz</p> <p>INSULATION FLAWS: Spark Test, 5.7 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak)</p> </div> <div style="width: 45%;"> <p><u>1/</u> PART NUMBER: The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors. Example: AWG 20, black and brown component wires: 55A0121-20-0/1</p> </div> </div> <p style="margin-top: 20px;">NOTE: Nominal values are for information only. Nominal values are not requirements.</p>				CABLE CONSTRUCTION DETAILS					PART NUMBER <u>1/</u>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)	NOMINAL	MAXIMUM	55A0121-30-*	30	.048	.052	1.3	55A0121-28-*	28	.054	.058	1.8	55A0121-26-*	26	.064	.068	2.8	55A0121-24-*	24	.074	.078	4.0	55A0121-22-*	22	.086	.090	5.7	55A0121-20-*	20	.100	.104	8.8	55A0121-18-*	18	.120	.124	13.3	55A0121-16-*	16	.136	.140	16.9	55A0121-14-*	14	.170	.176	26.5	55A0121-12-*	12	.206	.212	40.2	55A0121-10-*	10	.256	.268	64.9	55A0121-8-*	8	.376	.392	120.
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<p>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.</p>																																																																											
<p><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.</p>																																																																											
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