

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.																																																																													
COMPONENT WIRES - 55A0111  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <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> CABLE RATINGS AND ADDITIONAL REQUIREMENTS TEMPERATURE RATING: 150°C Maximum continuous conductor temperature VOLTAGE RATING: 600 volts (rms) at sea level DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz INSULATION FLAWS: Spark Test, 5.7 kV (rms) at 3 kHz Impulse Dielectric Test, 8.0 kV (peak) <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 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	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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<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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