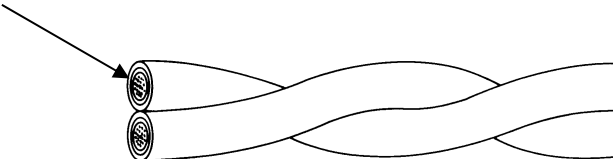


| <b>SPECIFICATION CONTROL DRAWING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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-----------|----|------|------|------|--------------|----|------|------|------|--------------|----|------|------|------|--------------|----|------|------|------|-------------|---|------|------|------|
| Title<br>TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,<br>GENERAL PURPOSE, 2500 VOLT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                 |                            | Date<br>11-3-15                                                                                                                                                                                                                                                                                                                              |                                     | Revision<br>D  |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| This specification sheet forms a part of the latest issue of Raychem Specification 44.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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      |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| <div style="display: flex; align-items: center; margin-bottom: 20px;"> <div style="margin-right: 10px;">COMPONENT WIRES - 44A031X</div>  </div> <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="padding: 5px;">PART NUMBER<br/><u>1/</u></th> <th rowspan="2" style="padding: 5px;">CONDUCTOR<br/>SIZE<br/>(AWG)</th> <th colspan="2" style="padding: 5px;">OUTSIDE DIAMETER<br/>(inch)</th> <th rowspan="2" style="padding: 5px;">MAXIMUM<br/>WEIGHT<br/>(lbs/1000 ft.)</th> </tr> <tr> <th style="padding: 5px;">NOMINAL</th> <th style="padding: 5px;">MAXIMUM</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">44A032X-26-*</td><td style="padding: 5px;">26</td><td style="padding: 5px;">.106</td><td style="padding: 5px;">.111</td><td style="padding: 5px;">4.5</td></tr> <tr><td style="padding: 5px;">44A032X-24-*</td><td style="padding: 5px;">24</td><td style="padding: 5px;">.114</td><td style="padding: 5px;">.120</td><td style="padding: 5px;">6.5</td></tr> <tr><td style="padding: 5px;">44A032X-22-*</td><td style="padding: 5px;">22</td><td style="padding: 5px;">.138</td><td style="padding: 5px;">.144</td><td style="padding: 5px;">9.2</td></tr> <tr><td style="padding: 5px;">44A032X-20-*</td><td style="padding: 5px;">20</td><td style="padding: 5px;">.156</td><td style="padding: 5px;">.163</td><td style="padding: 5px;">13.0</td></tr> <tr><td style="padding: 5px;">44A032X-18-*</td><td style="padding: 5px;">18</td><td style="padding: 5px;">.176</td><td style="padding: 5px;">.183</td><td style="padding: 5px;">18.6</td></tr> <tr><td style="padding: 5px;">44A032X-16-*</td><td style="padding: 5px;">16</td><td style="padding: 5px;">.194</td><td style="padding: 5px;">.202</td><td style="padding: 5px;">23.3</td></tr> <tr><td style="padding: 5px;">44A032X-14-*</td><td style="padding: 5px;">14</td><td style="padding: 5px;">.230</td><td style="padding: 5px;">.238</td><td style="padding: 5px;">34.7</td></tr> <tr><td style="padding: 5px;">44A032X-12-*</td><td style="padding: 5px;">12</td><td style="padding: 5px;">.262</td><td style="padding: 5px;">.272</td><td style="padding: 5px;">51.9</td></tr> <tr><td style="padding: 5px;">44A032X-10-*</td><td style="padding: 5px;">10</td><td style="padding: 5px;">.322</td><td style="padding: 5px;">.338</td><td style="padding: 5px;">78.2</td></tr> <tr><td style="padding: 5px;">44A032X-8-*</td><td style="padding: 5px;">8</td><td style="padding: 5px;">.438</td><td style="padding: 5px;">.450</td><td style="padding: 5px;">133.</td></tr> </tbody> </table> <div style="text-align: center; margin-top: 20px;">CABLE RATINGS AND ADDITIONAL REQUIREMENTS</div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>TEMPERATURE RATING: 150°C<br/>Maximum continuous conductor temperature</p> <p>VOLTAGE RATING: 2500 volts (rms) at sea level</p> <p>DIELECTRIC WITHSTAND:<br/>5000 volts (rms), 60 Hz, 1 minute</p> <p>INSULATION FLAWS:<br/>Spark Test, 8.0 kV (rms) at 3 kHz<br/>Impulse Dielectric Test, 13.0 kV (peak)</p> </div> <div style="width: 50%;"> <p><u>1/</u> PART NUMBER:<br/>The "X" in the part numbers above shall be replaced with a conductor material designator as follows:</p> <ol style="list-style-type: none"> <li>1 tin-coated copper</li> <li>2 silver-coated copper (AWG 24-8 only)</li> <li>3 nickel-coated copper (AWG 24-8 only)</li> <li>4 silver-coated high-strength copper alloy (AWG 26-18 only)</li> </ol> <p>The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors.<br/>Example: AWG 20, tin-coated copper conductors;<br/>black and brown component wires:<br/>44A0321-20-0/1</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<br><u>1/</u> | CONDUCTOR<br>SIZE<br>(AWG) | OUTSIDE DIAMETER<br>(inch) |  | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) | NOMINAL | MAXIMUM | 44A032X-26-* | 26 | .106 | .111 | 4.5 | 44A032X-24-* | 24 | .114 | .120 | 6.5 | 44A032X-22-* | 22 | .138 | .144 | 9.2 | 44A032X-20-* | 20 | .156 | .163 | 13.0 | 44A032X-18-* | 18 | .176 | .183 | 18.6 | 44A032X-16-* | 16 | .194 | .202 | 23.3 | 44A032X-14-* | 14 | .230 | .238 | 34.7 | 44A032X-12-* | 12 | .262 | .272 | 51.9 | 44A032X-10-* | 10 | .322 | .338 | 78.2 | 44A032X-8-* | 8 | .438 | .450 | 133. |
| CABLE CONSTRUCTION DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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      |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| PART NUMBER<br><u>1/</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CONDUCTOR<br>SIZE<br>(AWG)                                                                                                                                      | OUTSIDE DIAMETER<br>(inch) |                                                                                                                                                                                                                                                                                                                                              | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) |                |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |        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| 44A032X-26-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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      |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| 44A032X-24-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-22-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-20-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-18-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-16-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-14-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-12-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 44A032X-10-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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      |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| 44A032X-8-*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| <p style="font-size: small;">Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.<br/>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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|      |              |    |      |      |      |             |   |      |      |      |
| <p style="font-size: small;"><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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                 |                            |                                                                                                                                                                                                                                                                                                                                              |                                     |                |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
| Page 1 of 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.                                                                                 |                            |  <div style="font-size: x-small; margin-top: 5px;"> <b>Raychem Wire &amp; Cable</b><br/>           501 Oakside Avenue<br/>           Redwood City, CA 94063-3800<br/>           Phone: 1-800-227-8816<br/>           Fax: 1-650-361-6297         </div> |                                     |                |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |
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                   | DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL                                                                                          |                            |                                                                                                                                                                                                                                                                                                                                              |                                     |                |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |        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REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID. |                            |                                                                                                                                                                                                                                                                                                                                              |                                     |                |  |                            |  |  |  |  |                          |                            |                            |  |                                     |         |         |              |    |      |      |     |              |    |      |      |     |              |    |      |      |     |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |              |    |      |      |      |             |   |      |      |      |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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