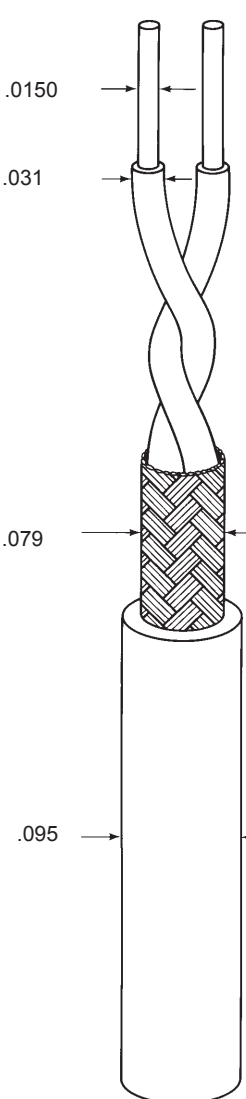


| SPECIFICATION CONTROL DRAWING                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                            | 0028A0024 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|-----------|
| CHEMINAX                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 OHM, AWG 28, 7 STRANDS OF AWG 36, TWINAXIAL CABLE | Date                                                       | 11-25-08  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | Revision                                                   | A         |
| THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                                                            |           |
| CONSTRUCTION DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       | ELECTRICAL CHARACTERISTICS                                 |           |
| <div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div> <div></div> <div><b>CONDUCTORS</b><br/>AWG 28, 7 Strands of<br/>AWG 36, Silver-Coated<br/>High Strength Copper<br/>Alloy</div> <div><b>DIELECTRICS</b><br/>Rayfoam H<br/>Colors - White/Light Blue</div> <div><b>SHIELD</b><br/>AWG 38,<br/>Tin-Coated Copper</div> <div><b>JACKET</b><br/>Modified FEP</div> |                                                       | CHARACTERISTIC IMPEDANCE100 ± 7 ohms, Method C at 1 MHz    |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | MUTUAL CAPACITANCE13.4 pF/ft. (nominal)                    |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | VELOCITY OF PROPAGATION73% (nominal)                       |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | ADDITIONAL REQUIREMENTS                                    |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | ELECTRICAL                                                 |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | CONDUCTOR RESISTANCE74.0 ohms/1000 ft. (nominal)           |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | INSULATION RESISTANCE10,000 megohms (minimum) for 1000 ft. |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | JACKET FLAWS                                               |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | SPARK TEST1.0 kV (rms)                                     |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       | IMPULSE TEST6.0 kV (peak)                                  |           |
| VOLTAGE WITHSTAND (DIELECTRIC)1000 volts (rms) (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                                                            |           |
| ENVIRONMENTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                            |           |
| FLAMMABILITYMethod B                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                                            |           |
| HEAT SHOCK225°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |                                                            |           |
| LOW TEMPERATURE-COLD BEND-55°C/2.75 inch mandrel                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                                            |           |
| VOLTAGE WITHSTAND (Post Environmental)1000 volts (rms), 1 minute                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                                            |           |
| PHYSICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                                                            |           |
| INSULATION (DIELECTRIC) (Prior to Cabling)                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                                                            |           |
| ELONGATION50% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                                                            |           |
| TENSILE STRENGTH600 lbf/in <sup>2</sup> (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                                            |           |
| JACKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |                                                            |           |
| ELONGATION200% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                                                            |           |
| TENSILE STRENGTH2000 lbf/in <sup>2</sup> (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                                                            |           |
| JACKET THICKNESS.008 inch (nominal)                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |                                                            |           |
| SHIELD COVERAGE90% (minimum)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                                                            |           |
| BRAID ANGLE25° (maximum)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |                                                            |           |
| WEIGHT7.3 lbs/1000 ft. (nominal)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                                            |           |
| Outer jacket color will be translucent white (designated by a “-9X” appended to the part number, e.g. 0028A0024-9X) unless otherwise specified.                                                                                                                                                                                                                                                                                                                                 |                                                       |                                                            |           |
| Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.                                                                                                                                                                                                                                                   |                                                       |                                                            |           |
| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.                                                                                                                                                                    |                                                       |                                                            |           |
| The TE logo, Tyco Electronics, Cheminax, Raychem and Rayfoam are trademarks.                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                                                            |           |



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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.