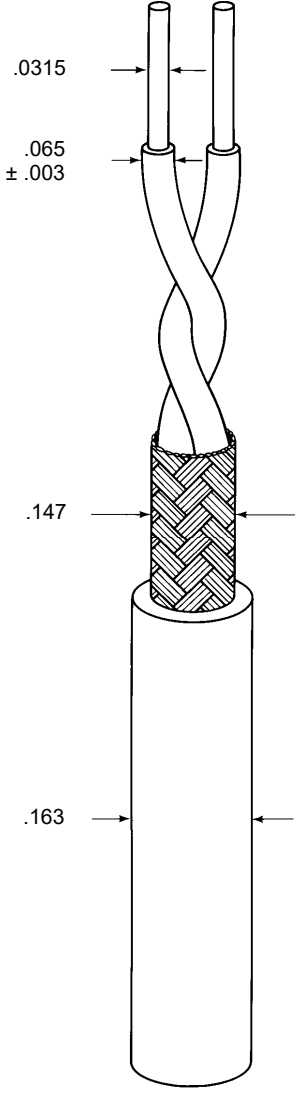


| SPECIFICATION CONTROL DRAWING   |  | 7022E1664  |
|---|--|--|
| <b>CHEMINAX</b>   | 70 OHM, AWG 22, 19 STRANDS OF AWG 34,<br>TWINAXIAL CABLE                       | Date: 12-4-19<br>Revision: C   |
| THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.  |  |  |
| CONSTRUCTION DETAILS  |  | ELECTRICAL CHARACTERISTICS   |
| <p>DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.</p>  <p><b>CONDUCTORS</b><br/>AWG 22,<br/>19 Strands of AWG 34,<br/>Silver-Coated High-<br/>Strength Copper Alloy</p> <p><b>DIELECTRICS</b><br/>Radiation-Crosslinked,<br/>Modified ETFE<br/>Colors - Light Blue/White</p> <p><b>SHIELD</b><br/>AWG 38,<br/>Silver-Coated Copper</p> <p><b>JACKET</b><br/>Radiation-Crosslinked,<br/>Modified ETFE</p> |  | <p>CHARACTERISTIC IMPEDANCE 70 ± 5 ohms, Method C at 1 MHz</p> <p>MUTUAL CAPACITANCE 30 pF/ft. (maximum)</p> <p>ATTENUATION 1.0 dB/100 ft. (nominal) at 1 MHz<br/>1.4 dB/100 ft. (maximum) at 1 MHz</p>  |
| <p>Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be white designated by a "-9" appended to the part number, e.g. 7022E1664-9.</p> <p>Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.</p>  |  | ADDITIONAL REQUIREMENTS  |
|   |  | COMPONENT WIRE PRIOR TO CABLING<br>(Test procedures per SAE AS22759)   |
|   |  | <p>CONDUCTOR RESISTANCE 17.2 ohms/1000 ft. (nominal)</p> <p>CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour, .500 inch mandrel, .375 lb, 2.5 kV dielectric test</p> <p>INSULATION (DIELECTRIC)<br/>ELONGATION 50% (minimum)<br/>TENSILE STRENGTH 5000 lbf/in<sup>2</sup> (minimum)</p> <p>INSULATION FLAWS<br/>SPARK TEST 3.0 kV (rms)<br/>IMPULSE TEST 8.0 kV (peak)</p> <p>INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum)</p> <p>LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours, .750 inch mandrel, 1.00 lb, 2.5 kV dielectric test</p> <p>SHRINKAGE 200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches</p>   |
|   |  | FINISHED CABLE<br>(Test procedures per NEMA WC 27500, unless otherwise specified)  |
|   |  | <p>BLOCKING 200°C for 6 hours</p> <p>CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 6.00 inch mandrel</p> <p>FLAMMABILITY 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue<br/>(Method B of Spec 1200)</p> <p>JACKET<br/>ELONGATION 50% (minimum)<br/>TENSILE STRENGTH 5000 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET FLAWS<br/>SPARK TEST 1.0 kV (rms)<br/>IMPULSE TEST 6.0 kV (peak)</p> <p>JACKET THICKNESS .008 inch (nominal)</p> <p>LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 6.00 inch mandrel</p> <p>SHIELD COVERAGE 90% (minimum)</p> <p>VOLTAGE WITHSTAND 1000 volts (rms) (minimum)<br/>(DIELECTRIC)</p> <p>WEIGHT 18.3 lbs/1000 ft. (nominal)</p> |
|   |  | ENGINEERING REFERENCE  |
|   |  | TEMPERATURE RATING 200°C (maximum)   |
| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.   |  |  |
| Page 1 of 1   | Cheminax, Raychem, TE Connectivity, and TE connectivity (logo) are trademarks. |  |



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Phone: 1-800-522-6752

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

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