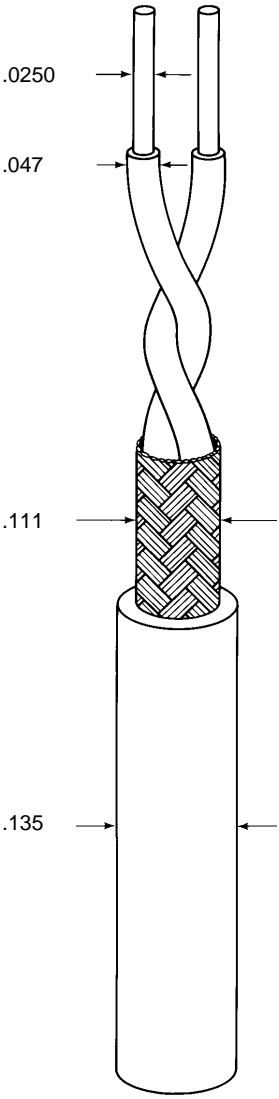


SPECIFICATION CONTROL DRAWING		7824E0422
<b>CHEMINAX</b>	78 OHM, AWG 24, 19 STRANDS OF AWG 36, DATA BUS CABLE	Date: 8-30-16 Revision: G
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.   <div style="display: flex; justify-content: space-between;"> <div> <p><b>CONDUCTORS</b> AWG 24, 19 Strands of AWG 36, Silver-Coated Copper</p> <p><b>DIELECTRICS</b> Foamed FEP Colors - Light Blue/White</p> <p><b>SHIELD</b> AWG 38, Silver-Coated Copper</p> <p><b>JACKET</b> Modified FEP</p> </div> <div> <p>.0250</p> <p>.047</p> <p>.111</p> <p>.135</p> </div> </div>		CHARACTERISTIC IMPEDANCE 78 ± 4 ohms, Method C at 1 MHz CAPACITANCE CONDUCTOR TO CONDUCTOR 20 pF/ft. (maximum) VELOCITY OF PROPAGATION 74% (nominal) ATTENUATION 10 dB/100 ft. (nominal) at 100 MHz
		ADDITIONAL REQUIREMENTS
		<p><b><u>ELECTRICAL</u></b></p> <p>CONDUCTOR RESISTANCE 23.0 ohms/1000 ft. (nominal) (prior to cabling)</p> <p>INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS              SPARK TEST 1.0 kV (rms)              IMPULSE TEST 6.0 kV (peak)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)</p> <p><b><u>ENVIRONMENTAL</u></b></p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/3.75 inch mandrel</p> <p>UV LASER MARKING            (Per SAE AS4373, Method 1001) For 7824E0422-9LM only:              SOLID LASER 67% (minimum)              DOT MATRIX LASER 60% (minimum)</p> <p>VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute</p> <p><b><u>PHYSICAL</u></b></p> <p>INSULATION (DIELECTRIC)            (prior to cabling)              ELONGATION 50% (minimum)              TENSILE STRENGTH 600 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET              ELONGATION 200% (minimum)              TENSILE STRENGTH 2000 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET THICKNESS .012 inch (nominal)</p> <p>SHIELD COVERAGE 90% (minimum)</p> <p>WEIGHT 14.2 lbs/1000 ft. (nominal)</p> <p><b><u>ENGINEERING REFERENCE</u></b></p> <p>TEMPERATURE RATING 200°C (maximum)</p>
Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be translucent white designated by a "-9X" appended to the part number, e.g. 7824E0422-9X.  A white laser markable outer jacket will be designated by a "-9LM" appended to the part number, e.g. 7824E0422-9LM.  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 Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.		
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