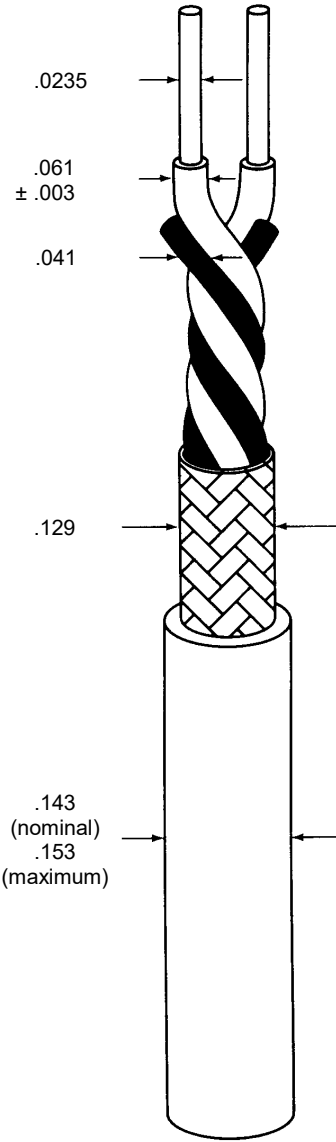


SPECIFICATION CONTROL DRAWING		2024J2424
CHEMINAX	120 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE	Date: 11-27-24 Revision: H
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  <div> <p>CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy</p> <p>DIELECTRICS Foamed FEP Colors - Light Blue/White</p> <p>FILLERS Radiation-Crosslinked, Modified ETFE</p> <p>SHIELD Flat, .0015 Strand Thickness, Tin-Coated Copper</p> <p>JACKET Modified FEP</p> </div>		CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz with shield grounded MUTUAL CAPACITANCE 12.7 pF/ft. (nominal) 18.2 pF/ft. (maximum) VELOCITY OF PROPAGATION 77% (nominal) ATTENUATION 1.0 dB/100 ft (maximum) at 1 MHz 2.0 dB/100 ft (maximum) at 6 MHz 2.7 dB/100 ft (maximum) at 10 MHz 7.4 dB/100 ft (maximum) at 100 MHz
		ADDITIONAL REQUIREMENTS
		<u>ELECTRICAL</u> CONDUCTOR RESISTANCE 27.8 ohms/1000 ft. (nominal) (prior to cabling) INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft. JACKET FLAWS SPARK TEST 1.0 kV (rms) IMPULSE TEST 6.0 kV (peak) VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms) (minimum)
		<u>ENVIRONMENTAL</u> FLAMMABILITY Method B HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/4.00 inch mandrel UV LASER MARKING (Per SAE AS4373, Method 1001) SOLID LASER For 2024J2424-9LM only: 67% (minimum) DOT MATRIX LASER 60% (minimum) VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (Post Environmental)
		<u>PHYSICAL</u> INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 50% (minimum) TENSILE STRENGTH 600 lbf/in ² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in ² (minimum) JACKET THICKNESS .007 inch (nominal) SHIELD COVERAGE 92% (minimum) WEIGHT 14.5 lbs/1000 ft. (nominal)
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. 2024J2424-9X). A white laser markable outer jacket will be designated by a "-9LM" appended to the part number, eg. 2024J2424-9LM. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		<u>ENGINEERING REFERENCE</u> TEMPERATURE RATING 150°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.		
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