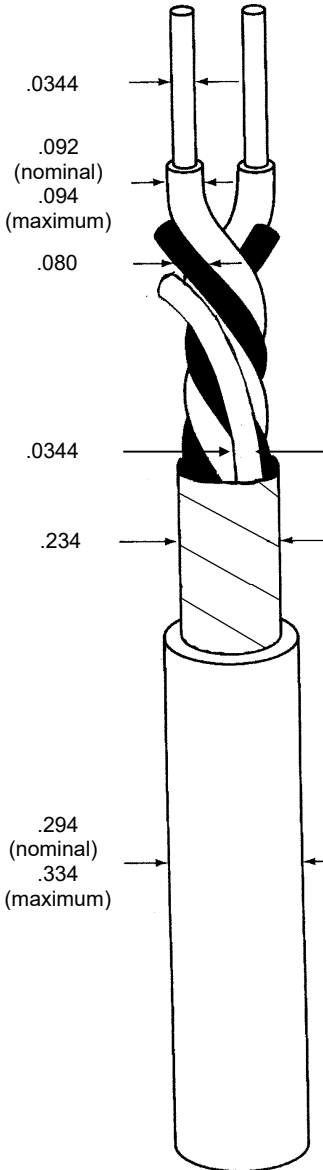


SPECIFICATION CONTROL DRAWING		2021D0309
<b>CHEMINAX</b>	120 OHM, 0.508 mm <sup>2</sup> , 19 STRANDS OF 0.19 mm, TWINAXIAL CABLE, J1939-11 COMPLIANT	Date: 3-7-18 Revision: K
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  <div style="display: flex; flex-direction: column; align-items: flex-start;"> <div> <b>CONDUCTORS</b>            0.508 mm<sup>2</sup>,            19 Strands of 0.19 mm,            Bare Copper         </div> <div> <b>DIELECTRICS</b>            Rayfoam M            Colors - Yellow/Green <sup>1/</sup> </div> <div> <b>FILLERS</b>            Polyolefin         </div> <div> <b>DRAIN WIRE</b>            0.508 mm<sup>2</sup>,            19 Strands of 0.19 mm,            Bare Copper            (cabled in)         </div> <div> <b>WRAP</b>            Aluminum-PET-            Aluminum         </div> <div> <b>JACKET</b>            Thermorad F         </div> </div>		CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz with wrap grounded  MUTUAL CAPACITANCE 10.5 pF/ft. (nominal) at 1 MHz  VELOCITY OF PROPAGATION 75% (nominal)  SURFACE TRANSFER IMPEDANCE 225 milliohms/meter (maximum) at 0.1 to 1 MHz (per SAE AS85485)
ADDITIONAL REQUIREMENTS		
<b>ELECTRICAL</b> CONDUCTOR RESISTANCE 11.3 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) 1000 volts (rms) (minimum)		
<b>ENVIRONMENTAL</b> FLAMMABILITY Method C  HEAT SHOCK 225°C  LOW TEMPERATURE-COLD BEND -55°C/8.00 inch mandrel  VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (Post Environmental)		
<b>PHYSICAL</b> INSULATION (DIELECTRIC) ELONGATION 100% (minimum) TENSILE STRENGTH 1000 lbf/in <sup>2</sup> (minimum)  JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in <sup>2</sup> (minimum)  JACKET THICKNESS .025 inch (minimum), .030 inch (nominal), .040 inch (maximum)  WRAP .003 inch thick (nominal), 10% overlap (minimum)		
CABLE IDENTIFICATION: Outer jacket shall be marked in contrasting color at 12 inch (nominal) intervals as follows:  for product jacketed in USA: "RAYCHEM J1939-11 0.5 mm <sup>2</sup> " for product jacketed in Mexico: "RAYCHEM J1939/11 0.5 mm <sup>2</sup> "		
WEIGHT 34.3 lbs/1000 ft. (nominal)		
ENGINEERING REFERENCE		
TEMPERATURE RATING		125°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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