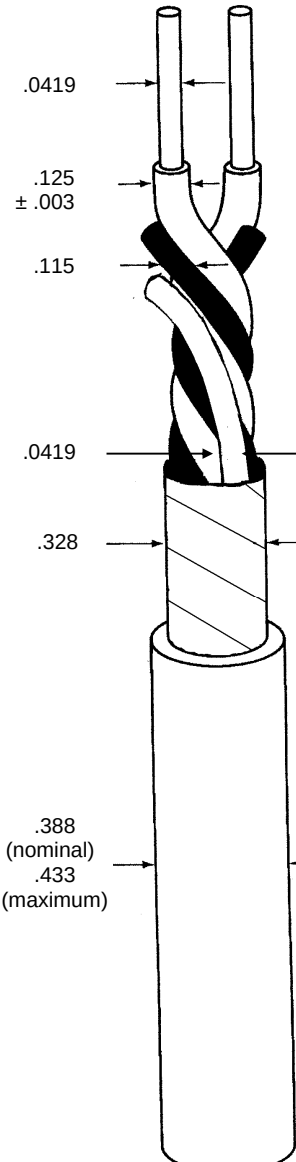


SPECIFICATION CONTROL DRAWING		2019D0309
CHEMINAX	120 OHM, AWG 19, 19 STRANDS OF 0.23 mm, TWINAXIAL CABLE, J1939-11 COMPLIANT	Date: 10-2-14 Revision: F
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 19, 19 Strands of 0.23 mm, Bare Copper DIELECTRICS Rayfoam FS Colors - Yellow/Green FILLERS Polyolefin DRAINWIRE AWG 19, 19 Strands of 0.23 mm, Bare Copper WRAP Aluminum-PET- Aluminum JACKET Thermorad F		CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz with shield grounded MUTUAL CAPACITANCE 10.5 pF/ft. (nominal) at 1 MHz VELOCITY OF PROPAGATION 74% (nominal) SURFACE TRANSFER IMPEDANCE 225 milliohms/meter (maximum) at 0.1 to 1 MHz
		ADDITIONAL REQUIREMENTS
		ELECTRICAL CONDUCTOR RESISTANCE 7.47 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)
		ENVIRONMENTAL FLAMMABILITY Method C HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/11.0 inch mandrel VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (Post Environmental)
		PHYSICAL INSULATION (DIELECTRIC) ELONGATION 100% (minimum) TENSILE STRENGTH 1000 lbf/in ² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in ² (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 white ink at 12 inch (nominal) intervals as follows: "RAYCHEM J1939-11 0.75 mm ² "
Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be black designated by a "-0" appended to the part number, (e.g. 2019D0309-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT 54.0 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. 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.		
Page 1 of 1	Rayfoam, Thermorad, Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.	



Raychem Wire & Cable
 501 Oakside Avenue
 Redwood City, California 94063-3800
 Phone: 1-800-227-8816 Fax: 1-650-361-6297

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

© 2005-2014 Tyco Electronics Corporation. All rights reserved.