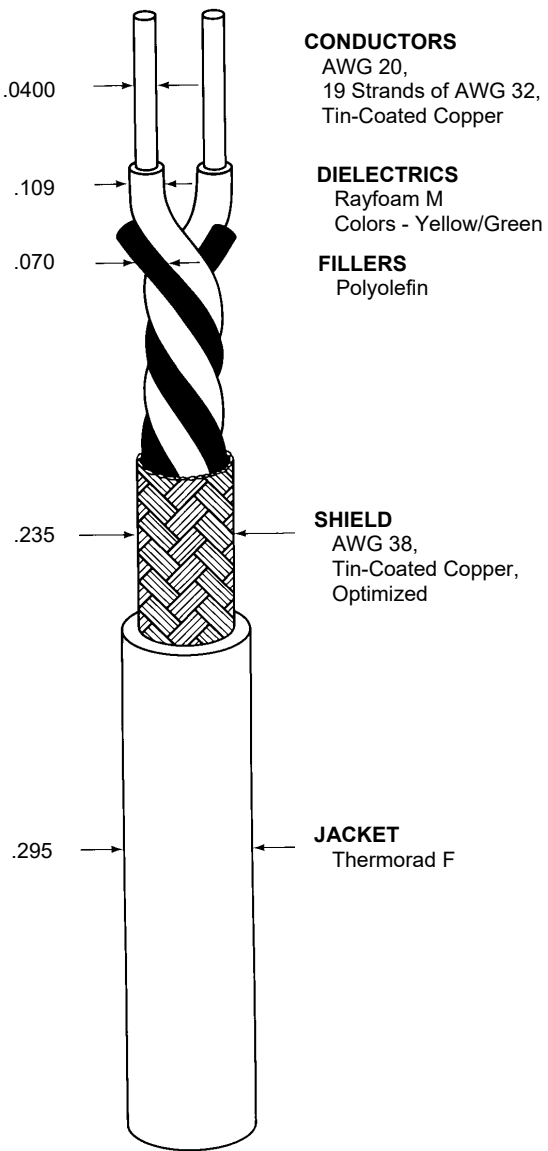


SPECIFICATION CONTROL DRAWING		2020D1301
CHEMINAX	120 OHM, AWG 20, 19 STRANDS OF AWG 32, OPTIMIZED SHIELD, TWINAXIAL CABLE	Date: 3-7-18 Revision: D
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  <p>CONDUCTORS AWG 20, 19 Strands of AWG 32, Tin-Coated Copper</p> <p>DIELECTRICS Rayfoam M Colors - Yellow/Green</p> <p>FILLERS Polyolefin</p> <p>SHIELD AWG 38, Tin-Coated Copper, Optimized</p> <p>JACKET Thermorad F</p>		CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz with shield grounded MUTUAL CAPACITANCE 10.5 pF/ft. (nominal) VELOCITY OF PROPAGATION 75% (nominal) SURFACE TRANSFER IMPEDANCE 225 milliohms/meter (maximum) at 0.1 to 1 MHz (per SAE AS85485)
		ADDITIONAL REQUIREMENTS
		<p>ELECTRICAL</p> CONDUCTOR RESISTANCE (prior to cabling) 9.53 ohms/1000 ft. (nominal) 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)
		<p>ENVIRONMENTAL</p> FLAMMABILITY Method C HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/8.00 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute
		<p>PHYSICAL</p> INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 100% (minimum) TENSILE STRENGTH 1000 lbf/in ² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in ² (minimum) JACKET THICKNESS .030 inch (nominal)
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. 2020D1301-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT 41.6 lbs/1000 ft. (nominal)
		<p>ENGINEERING REFERENCE</p> 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.		
Page 1 of 1	Rayfoam, Thermorad, Cheminax, Raychem, TE Connectivity, and TE connectivity (logo) are trademarks.	



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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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