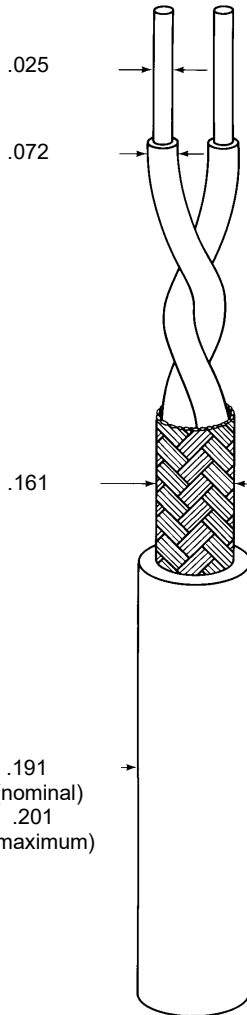


SPECIFICATION CONTROL DRAWING		2524E0311
CHEMINAX	125 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE	Date: 3-21-23 Revision: E
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 24, 19 Strands of AWG 36, Tin-Coated Copper DIELECTRICS Radiation-Crosslinked, Foamed PE Colors - Tan/White SHIELD AWG 38, Tin-Coated Copper JACKET Thermorad S .025 .072 .161 .191 (nominal) .201 (maximum)		CHARACTERISTIC IMPEDANCE 125 ± 12 ohms, Method C at 1 MHz MUTUAL CAPACITANCE 10.4 pF/ft. (nominal) VELOCITY OF PROPAGATION 78% (nominal)
		ADDITIONAL REQUIREMENTS
		ELECTRICAL CONDUCTOR RESISTANCE (prior to cabling) 25.0 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) ENVIRONMENTAL FLAMMABILITY Method C HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/5.50 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute PHYSICAL INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 50% (minimum) TENSILE STRENGTH 1000 lbf/in² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in² (minimum) JACKET THICKNESS .015 inch (nominal) SHIELD COVERAGE 90% (minimum)
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.2524E0311-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT 16.5 lbs/1000 ft. (nominal)
		ENGINEERING REFERENCE TEMPERATURE RATING 115°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	Thermorad, Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (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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