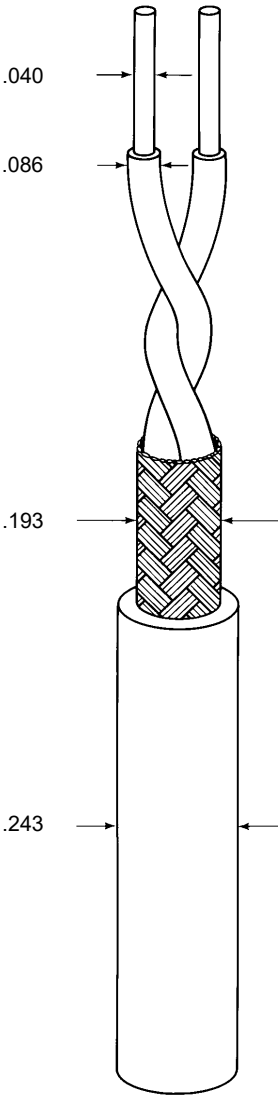


SPECIFICATION CONTROL DRAWING		7820D0831
CHEMINAX	78 OHM, AWG 20, 19 STRANDS OF AWG 32, TWINAXIAL CABLE	Date: 11-05-24 Revision: D
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 20, 19 Strands of AWG 32, Tin-Coated Copper DIELECTRICS Rayolin F Colors - White/Tan SHIELD AWG 36, Tin-Coated Copper JACKET Zerohal		CHARACTERISTIC IMPEDANCE 78 ± 7 ohms, Method C at 1 MHz CAPACITANCE CONDUCTOR TO CONDUCTOR 18.8 pF/ft. (nominal) VELOCITY OF PROPAGATION 67% (nominal)
		ADDITIONAL REQUIREMENTS
		ELECTRICAL CONDUCTOR RESISTANCE (prior to cabling) 10.4 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 B, 60 seconds (maximum) Afterburn: 3 inch (maximum) burn length HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -30°C/7.00 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute
		PHYSICAL INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 200% (minimum) TENSILE STRENGTH 1800 lbf/in ² (minimum) JACKET ELONGATION 150% (minimum) TENSILE STRENGTH 1200 lbf/in ² (minimum) JACKET THICKNESS .025 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. 7820D0831-0. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT 33.7 lbs/1000 ft. (nominal)
		ENGINEERING REFERENCE TEMPERATURE RATING 105°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	Cheminax, Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks.	



Raychem Wire & Cable
 501 Oakside Avenue
 Redwood City, California 94063-3800
 Phone: 1-800-522-6752

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

© 2024 TE Connectivity Ltd. Family of companies. All rights reserved.