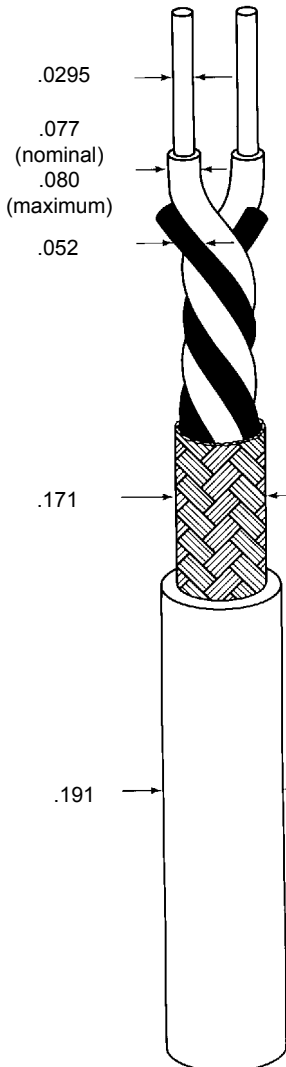


SPECIFICATION CONTROL DRAWING			2022Y1422
CHEMINAX	120 OHM, AWG 22, 19 STRANDS OF AWG 34, OPTIMIZED SHIELD, TWINAXIAL CABLE	Date	7-18-13
		Revision	B
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 22, 19 Strands of AWG 34, Silver-Coated Copper DIELECTRICS Rayfoam H Colors - White/Light Blue FILLERS Radiation-Crosslinked Modified ETFE SHIELD AWG 38, Silver-Coated Copper Optimized JACKET Modified FEP		CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz MUTUAL CAPACITANCE 12.7 pF/ft. (nominal) VELOCITY OF PROPAGATION 77% (nominal) SURFACE TRANSFER IMPEDANCE 225 milliohms/meter (maximum) at 0.1 to 1 MHz (Per MIL-DTL-85485)	
		ADDITIONAL REQUIREMENTS	
		ELECTRICAL	
		CONDUCTOR RESISTANCE (prior to cabling)	14.9 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
		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	600 lbf/in ² (minimum)
		JACKET	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	2000 lbf/in ² (minimum)
		JACKET THICKNESS	.010 inch (nominal)
		SHIELD COVERAGE	90% (minimum)
		ENGINEERING REFERENCE	
		TEMPERATURE REATING	-65°C to +200°C
Outer jacket color will be translucent white (designated by a “-9X” appended to the part number, e.g. 2022Y1422-9X) unless otherwise specified. Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT	25.7 lbs/1000 ft. (nominal)
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, 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.