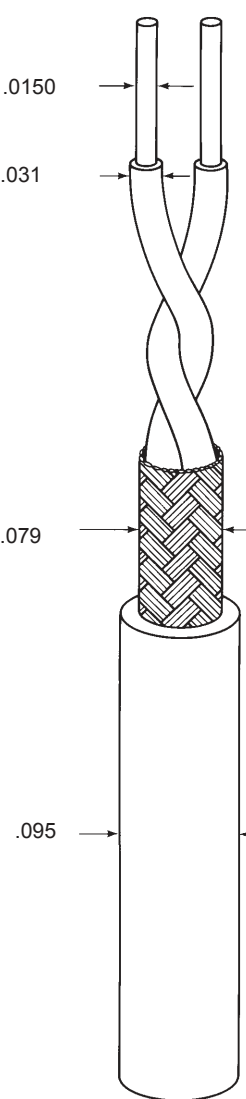


SPECIFICATION CONTROL DRAWING			0028A0024
<b>CHEMINAX</b>	100 OHM, AWG 28, 7 STRANDS OF AWG 36, TWINAXIAL CABLE	Date	11-25-08
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.   <b>CONDUCTORS</b> AWG 28, 7 Strands of AWG 36, Silver-Coated High Strength Copper Alloy  <b>DIELECTRICS</b> Rayfoam H Colors - White/Light Blue  <b>SHIELD</b> AWG 38, Tin-Coated Copper  <b>JACKET</b> Modified FEP		CHARACTERISTIC IMPEDANCE 100 ± 7 ohms, Method C at 1 MHz MUTUAL CAPACITANCE 13.4 pF/ft. (nominal) VELOCITY OF PROPAGATION 73% (nominal)	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	74.0 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)
		<u>ENVIRONMENTAL</u>	
		FLAMMABILITY	Method B
		HEAT SHOCK	225°C
		LOW TEMPERATURE-COLD BEND	-55°C/2.75 inch mandrel
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute
		<u>PHYSICAL</u>	
		INSULATION (DIELECTRIC) (Prior to Cabling)	
		ELONGATION	50% (minimum)
		TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
		JACKET	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
		JACKET THICKNESS	.008 inch (nominal)
		SHIELD COVERAGE	90% (minimum)
		BRAID ANGLE	25° (maximum)
		WEIGHT	7.3 lbs/1000 ft. (nominal)
Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 0028A0024-9X) 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.			
Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			
The TE logo, Tyco Electronics, Cheminax, Raychem and Rayfoam 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.