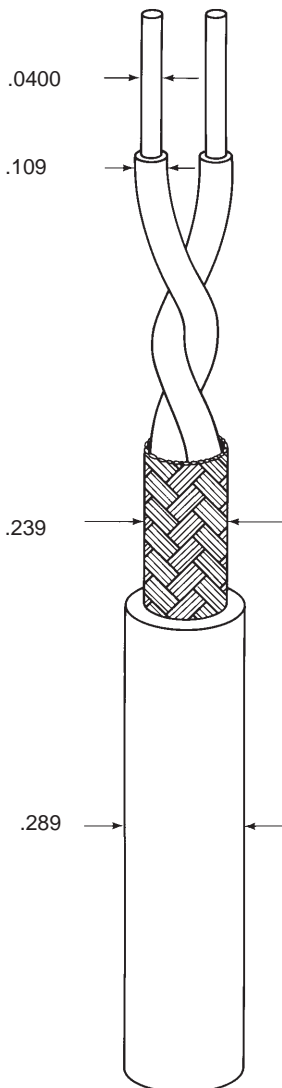


SPECIFICATION CONTROL DRAWING			2020E0811
CHEMINAX	120 OHM, AWG 20, 19 STRANDS OF AWG 32, TWINAXIAL CABLE, OPTIMIZED SHIELD	Date	5-28-10
		Revision	B
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div> <div><p><b>CONDUCTORS</b> AWG 20, 19 Strands of AWG 32, Tin-Coated Copper</p><p><b>DIELECTRICS</b> Rayfoam L Colors - White/Tan</p><p><b>SHIELD</b> AWG 36, Tin-Coated Copper, Optimized</p><p><b>JACKET</b> Zerohal</p></div>		<div>CHARACTERISTIC IMPEDANCE120 ± 12 ohms, Method D at 1 MHz (with shield grounded)</div> <div>MUTUAL CAPACITANCE10.5 pF/ft. (nominal)</div> <div>VELOCITY OF PROPAGATION78% (nominal)</div> <div>SURFACE TRANSFER IMPEDANCE20 milliohms/meter (maximum) at 100 KHz to 20 MHz (Per MIL-DTL-85485)</div>	
ADDITIONAL REQUIREMENTS			
<u>ELECTRICAL</u>			
CONDUCTOR RESISTANCE		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)	
<u>ENVIRONMENTAL</u>			
FLAMMABILITY		Method C	
HEAT SHOCK		225°C	
LOW TEMPERATURE-COLD BEND		-30°C/8.00 inch mandrel	
VOLTAGE WITHSTAND (Post Environmental)		1000 volts (rms), 1 minute	
<u>PHYSICAL</u>			
INSULATION (DIELECTRIC) (Prior to Cabling)			
ELONGATION		50% (minimum)	
TENSILE STRENGTH		800 lbf/in <sup>2</sup> (minimum)	
JACKET			
ELONGATION		150% (minimum)	
TENSILE STRENGTH		1200 lbf/in <sup>2</sup> (minimum)	
JACKET THICKNESS		.025 inch (nominal)	
WEIGHT		38.0 lbs/1000 ft. (nominal)	
Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 2020E0811-0) 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.			
Page 1 of 1	The TE logo, Tyco Electronics, Cheminax, Raychem, Rayfoam and Zerohal 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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