SPECIFICATION CONTROL DRAWING			2019E0309	
CHEMINAX	TWISTED F	AWG 19, 19 STRANDS OF 0.23 mm, PAIR CABLE, J1939-15 COMPLIANT	Date: 1-9-15 Revision: L	
		T OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTIO		ELECTRICAL CH	ARACTERISTICS	
	CONDUCTORS AWG 19, 19 Strands of 0.23 mm,	CHARACTERISTIC IMPEDANCE CAPACITANCE VELOCITY OF PROPAGATION	120 ± 12 ohms, Method D at 1 MHz 10.5 pF/ft. (nominal) at 1 MHz 67% (nominal)	
	Bare Copper	ADDITIONAL REQUIREMENTS		
	DIELECTRICS			
+ .003 004	Rayfoam M Colors - Yellow/Green	ELECTRICAL CONDUCTOR RESISTANCE (prior to cabling)	7.47 ohms/1000 ft. (nominal)	
		INSULATION RESISTANCE	10,000 megohms (minimum) for 1000	
λ		VOLTAGE WITHSTAND (DIELECTRIC)	1500 volts (rms)	
		ENVIRONMENTAL		
		FLAMMABILITY	Method C	
		HEAT SHOCK	225°C	
		LOW TEMPERATURE-COLD BEND	-55°C/6.00 inch mandrel	
		<u>PHYSICAL</u> CABLE LAY LENGTH	1.3 ± .2 inch	
.209 (minimum) .228 (nominal)	JACKET Thermorad F	INSULATION (DIELECTRIC) (prior to cabling) ELONGATION TENSILE STRENGTH	150% (minimum) 1500 lbf/in² (minimum)	
		JACKET ELONGATION TENSILE STRENGTH	200% (minimum) 2000 lbf/in² (minimum)	
		JACKET THICKNESS	.025 inch (minimum), .030 inch (nominal), .040 inch (maximum)	
		CABLE IDENTIFICATION: Outer jacket shall be marked in white ink at 12 inch (nominal) intervals as follows:		
		for product jacketed in USA: "R for product jacketed in Mexico: "R	AYCHEM J1939-15 0.75 mm ² " AYCHEM J1939/15 0.75 mm ² "	
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. 2019E0309-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		WEIGHT	23.5 lbs/1000 ft. (nominal)	
		ENGINEERING REFERENCE		
		TEMPERATURE RATING	125°C (maximum)	
		Specifications are subject to change without in ont affect compliance with any specification, with any specification, with any specification.		
	· · · · · ·	n, TE Connectivity, TE connectivity (logo), a		
501 Oaksi Redwood	Wire & Cable ide Avenue City, California 94063-3800 800-227-8816 Fax: 1-650-361-6297	THIS SPECIFICATION SHEET TAKES PRECEDENCE REFERENCED DOCUMENTS SHALL BE OF THE ISS © 2005-2015 T		