SPECIFICATION CONTROL DRAWING				2018E0309	
CHEMINAX	120 OHM, AWG 18, 19 STRANDS OF AWG 30, TWINAXIAL CABLE, J1939-11 COMPLIANT		R	Date: 3-7-18 Revision: F	
THIS SPECIFICATION SHEET FORMS A PART		T OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		N 1200.	
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS			
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.		CHARACTERISTIC IMPEDANCE	120 ± 12 ohms, Method D at 1 MHz with wrap grounded		
.0465	CONDUCTORS AWG 18, 19 Strands of AWG 30, Bare Copper	MUTUAL CAPACITANCE	10.5 pF/ft. (nominal) at 1 MHz		
		VELOCITY OF PROPAGATION	75% (nominal)		
		SURFACE TRANSFER IMPEDANCE (per SAE AS85485)	225 milliohms/meter (maximum) at 0.1 to 1 MHz		
.124	DIELECTRICS Rayfoam M Colors - Yellow/Green ^{1/}	ADDITIONAL REQUIREMENTS			
		ELECTRICAL			
.115	FILLERS Polyolefin	CONDUCTOR RESISTANCE (prior to cabling)	6.10 ohms/1000 ft. (nominal)		
.0465	DRAIN WIRE AWG 18, 19 Strands of AWG 30, Bare Copper (cabled in)	INSULATION RESISTANCE	10,000 megoh	ims (minimum) for 1000 ft	
		JACKET FLAWS SPARK TEST IMPULSE TEST	1.0 kV (rms) 6.0 kV (peak)		
		VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rm	ıs) (minimum)	
.324	WRAP	ENVIRONMENTAL			
.384	Aluminum-PET- Aluminum	FLAMMABILITY	Method C		
		HEAT SHOCK	225°C		
		LOW TEMPERATURE-COLD BEND		-55°C/11.0 inch mandrel	
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute		
		PHYSICAL INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	100% (minimu		
		JACKET ELONGATION	1000 lbf/in² (minimum) 200% (minimum) 2000 lbf/in² (minimum)		
		TENSILE STRENGTH JACKET THICKNESS	.025 inch (min	,	
		JACKET THICKNESS	.020 inch (nin .030 inch (non .040 inch (max	ninal),	
		WRAP	.003 inch thick 10% overlap (i	(),	
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. 2018E0309-0).		CABLE IDENTIFICATION: Outer jacket shall be marked in white ink at 12 inch (nominal) intervals as follows: "RAYCHEM J1939-11 18 AWG"			
<u>1</u> / Component Wire Stripe Option: Dielectrics striped red will be designated with a slash separating component wire colors, (e.g. 2018E0309-42/52-0).		WEIGHT	53.4 lbs/1000	ft. (nominal)	
Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		ENGINEERING REFERENCE			
		TEMPERATURE RATING	125°C (maxim	um)	
		. Specifications are subject to change without ompliance with any specification, without notific		ectivity also reserves the	
5		x, Raychem, TE Connectivity, and TE conne	2	e trademarks.	
Raychem Wire & Cable THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED 501 Oakside Avenue REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATI					
Redwood	l City, California 94063-3800 -800-522-6752 Fax: 1-650-361-6297			of companies. All Rights Reserved	