SPECIFICATION CONTROL DRAWING				2021E0301	
CHEMINAX	120 OHM, 0.508 mm ² , 19 STRANDS OF 0.19 mm, TWINAXIAL CABLE, J1939-11 COMPLIANT			Date: Revision:	3-7-18 G
THIS SPECIFIC/	ATION SHEET FORMS A PART	TION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICA		ION 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	
.0344	CONDUCTORS 0.508 mm ² , 19 Strands of 0.19 mm, Tin-Coated Copper	MUTUAL CAPACITANCE	10.5 pF/ft. (nominal) at 1 MHz		1Hz
		VELOCITY OF PROPAGATION	75% (nominal)		
		SURFACE TRANSFER IMPEDANCE (per SAE AS85485)	225 milliohms/meter (maximum) at 0.1 to 1 MHz		
(nominal) .094 (maximum) .080	DIELECTRICS Rayfoam M Colors - Yellow/Green ^{1/} FILLERS Polyolefin	ADDITIONAL REQUIREMENTS			
		ELECTRICAL CONDUCTOR RESISTANCE (prior to cabling)	10.7 ohms/1000 ft. (nominal)		al)
		INSULATION RESISTANCE	10,000 megohms (minimum) for 100		m) for 1000 ft
.0344	DRAIN WIRE 0.508 mm², 19 Strands of 0.19 mm,	JACKET FLAWS SPARK TEST IMPULSE TEST	1.0 kV (rms) 6.0 kV (peak)		
	Tin-Coated Copper (cabled in)	VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)		
.234	WRAP Aluminum-PET- Aluminum	ENVIRONMENTAL			
		FLAMMABILITY	Method C		
		HEAT SHOCK	225°C		
		LOW TEMPERATURE-COLD BEND	-55°C/8.00 inch mandrel		
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute		
.294 (nominal) .334 (maximum)	JACKET Thermorad F	PHYSICAL INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH	100% (minimum) 1000 lbf/in² (minimum)		
		JACKET ELONGATION TENSILE STRENGTH	200% (minimum) 2000 lbf/in² (minimum)		
		JACKET THICKNESS	.025 inch (minimum), .030 inch (nominal), .040 inch (maximum)		
		WRAP	.003 inch thick (nominal), 10% overlap (minimum)		
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. 2021E0301-0).		CABLE IDENTIFICATION: Outer jacket shall be marked in white ink at 12 inch (nominal) intervals as follows: "RAYCHEM J1939-11 0.5 mm ² "			
 <u>1</u>/ Component Wire Stripe Option: Dielectrics striped red will be designated with a slash separating component wire colors, (e.g. 2021E0301-42/52-0). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order. 		WEIGHT	34.3 lbs/1000 ft. (nominal)		
		ENGINEERING REFERENCE			
		TEMPERATURE RATING	125°C (max	125°C (maximum)	
Jsers should evaluate the suitability o ight to make changes in materials or	processing, which do not affect co	Specifications are subject to change without ompliance with any specification, without notific	ation to Buyer	r.	
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