SPECIFICATION CONTROL DRAWING				10614
CHEMINAX		9 STRANDS OF AWG 36, EMP HARD A BUS CABLE, MIL-STD-1553	ENED, Date: Revision:	2-13-18 K
THIS SPECIFICA	TION SHEET FORMS A PART	OF THE LATEST ISSUE OF RAYCHE	M SPECIFICATION 1200.	
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS		
DIMENSIONS ARE NOMINAL VALUES IN DESIGNATED.	CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High- Strength Copper Alloy DIELECTRICS	CHARACTERISTIC IMPEDANCE MUTUAL CAPACITANCE ATTENUATION SURFACE TRANSFER IMPEDANCE	· · · · · ·	
		(Per SAE AS85485)		
(.635 mm)		ADDITIONAL REQUIREMENTS COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)		
.048 ± .002 (1.22 ± .05 mm)	FILLERS	CONDUCTOR RESISTANCE CROSSLINKING PROOF TEST	26.5 ohms/1000 ft. (86.9 oh) 300 ± 3°C for 1 hour, .500 inch (12.7 mm) mandre .375 lb (170 g), 2.5 kV dieled	l,
(.813 mm)		INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH INSULATION FLAWS	50% (minimum) 5000 lbf/in² <i>(34.5 N/mm²)</i> (minimum)	
		SPARK TEST IMPULSE TEST	3.0 kV (rms) 8.0 kV (peak)	
		INSULATION RESISTANCE	5000 megohms for 1000 ft. (1524 megohms-km) (minimum)	
.113 (2.87 mm)	1st SHIELD — AWG 38, Tin-Coated Copper, Optimized	LOW TEMPERATURE-COLD BEND	-65 ± 3°C for 4 hours, .750 inch <i>(19.1 mm)</i> mandrel, 1.00 lb <i>(454 g)</i> , 2.5 kV dielectric test	
		SHRINKAGE	200 ± 3°C for 1 hour, .125 inch (3.18 mm) (maxim in 12 inches (305 mm)	um)
.125	WRAP	FINISHED CABLE (Test procedures per NEMA WC 27500, unless otherwise specific		specified)
(3.18 mm)	— Mu-Metal	BLOCKING	200°C for 6 hours	opeomea)
		CABLE LAY LENGTH CROSSLINKED VERIFICATION	.75 inch (19.1 mm) (minimu 1.25 inches (31.8 mm) (max 300 ± 5°C for 6 hours,	
	2nd SHIELD		6.00 inch (152 mm) mandrel	
.142 (3.61 mm)	<ul> <li>AWG 38, Tin-Coated Copper, Optimized</li> </ul>	FLAMMABILITY (Method B of Spec 1200)	3 seconds (maximum); 3 inches (76.2 mm) (maximu no flaming of facial tissue	ım);
	JACKET	JACKET ELONGATION TENSILE STRENGTH JACKET FLAWS	50% (minimum) 5000 lbf/in² <i>(34.5 N/mm²)</i> (m	inimum)
.158(4.01 mm)	<ul> <li>Radiation-Crosslinked, Modified ETFE</li> </ul>	SPARK TEST IMPULSE TEST JACKET THICKNESS LOW TEMPERATURE-COLD BEND	1.0 kV (rms) 6.0 kV (peak) .008 inch <i>(.203 mm)</i> (nomina -55 ± 5°C for 4 hours,	,
		VOLTAGE WITHSTAND (DIELECTRIC)	6.00 inch <i>(152 mm)</i> mandrel 1000 volts (rms) (minimum)	
he conductor AWG size and outer jacket color will be appended to ne part number. Unless otherwise specified, outer jacket color will e white designated by a "-9" in accordance with MIL-STD-681,		WRAP WEIGHT CABLE IDENTIFICATION: Outer jack	.002 inch <i>(.051 mm)</i> thick (r 25% overlap (minimum) 29.1 lbs/1000 ft. <i>(43.3 kg/km</i> et shall be marked in contrast	n) (maximum
g. 10614-24-9). ner codes and suffixes may be add		inch (305 mm) (nominal) intervals betw ENGINEERING REFERENCE		
cessary, to capture any additional i rchase order.	requirements imposed by the	TEMPERATURE RATING	150°C (maximum)	
ers should evaluate the suitability of t ht to make changes in materials or pr	this product for their application. ocessing, which do not affect con	Specifications are subject to change with npliance with any specification, without no	but notice. TE Connectivity also tification to Buyer.	o reserves the
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	/ire & Cable	THIS SPECIFICATION SHEET TAKES PRECEDE		