SPECIFICATION CONTROL DRAWING				7724S1664		
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED SHIELD, DATA BUS CABLE, MIL-STD-1553, OUTER SPACE USE			Date: Revision:	8-15-14 F	
THIS SPECIFI	CATION SHEET FORMS A PART	OF THE LATEST ISSUE OF RAYCHE	EM SPECIFICATI	ION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS				
IMENSIONS ARE NOMINAL VALUE	IN INCHES, UNLESS OTHERWISE CONDUCTORS AWG 24, 19 Strands of AWG 36,	CHARACTERISTIC IMPEDANCE MUTUAL CAPACITANCE ATTENUATION SURFACE TRANSFER IMPEDANCE (Per SAE AS85485)	77 ± 5 ohms, Method C at 1 MHz 30.0 pF/ft. (maximum) 1.4 dB/100 ft. (maximum) at 1 MHz 100 milliohms/meter (maximum) at 30 MHz			
.0250	Silver-Coated High- Strength Copper Alloy	ADDITIONAL	REQUIRE	MENTS		
	DIELECTRICS	COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)				
.048 ±.002 →	Low Outgassing, Radiation-Crosslinked,	CONDUCTOR RESISTANCE	26.5 ohms/1000	,		
	Modified ETFE Colors - Light Blue/White	CROSSLINKING PROOF TEST	300 ± 3°C for 1 .375 lb, 2.5 kV c		n mandrel,	
.032	FILLERS Low Outgassing, Radiation-Crosslinked, Modified ETFE	INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH INSULATION FLAWS	50% (minimum) 5000 lbf/in <sup>2</sup> (minimum)			
		SPARK TEST IMPULSE TEST INSULATION RESISTANCE LOW TEMPERATURE-COLD BEND	3.0 kV (rms) 8.0 kV (peak) 5000 megohms for 1000 ft. (minimum) -65 ± 3°C for 4 hours, .750 inch mandrel,			
	SHIELD AWG 38,	SHRINKAGE	1.00 lb, 2.5 kV dielectric test 200 $\pm$ 3°C for 1 hour, .125 inch (maximum) in 12 inches			
	Silver-Coated Copper, Optimized	FINISHED CABLE (Test procedures per NEMA WC 27500, unless otherwise specified)				
.129 (nominal) .140 (maximum)	JACKET Low Outgassing, Radiation-Crosslinked, Modified ETFE	BLOCKING CABLE LAY LENGTH CROSSLINKED VERIFICATION FLAMMABILITY (Method B of Spec 1200) JACKET ELONGATION TENSILE STRENGTH JACKET FLAWS SPARK TEST IMPULSE TEST JACKET THICKNESS LOW TEMPERATURE-COLD BEND VOLTAGE WITHSTAND (DIELECTRIC)	200°C for 6 hou .75 inch (minimu 300 $\pm$ 5°C for 6 3 seconds (max no flaming of fac 50% (minimum) 5000 lbf/in <sup>2</sup> (min 1.0 kV (rms) 6.0 kV (peak) .008 inch (nomin -55 $\pm$ 5°C for 4 h 1500 volts (rms)	um), 1.25 inch hours, 6.00 ind imum); 3 inch cial tissue himum) nal) hours, 6.00 inc	h mandrel s (maximum	
		WEIGHT	14.5 lbs/1000 ft.	000 ft. (nominal)		
		OUTER SPACE REQUIREMENTS				
Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be white (designated by a "-9" appended to the part number, a.g. 7724S1664-9). Dther codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		RADIATION RESISTANCE VACUUM STABILITY TOTAL MASS LOSS (TML) VOLATILE CONDENSABLE MATERIAL (VCM) WEIGHT LOSS	500 megarads, 3.75 inch mandrel, 1.0 kV dielectric test 1.00% (maximum) 0.10% (maximum) 0.45% (maximum)		drel,	
			0.40 /0 (IIIdXIIIIU	)		
		ENGINEERING REFERENCE	200°C (maximum)			
sers should evaluate the suitability serves the right to make changes i	of this product for their application. n materials or processing, which do	Specifications are subject to change with not affect compliance with any specification	out notice. Tyco E on, without notifica	lectronics Corp	oration also	
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	m Wire & Cable	THIS SPECIFICATION SHEET TAKES PRECEDE				