SPECIFICATION CONTROL DRAWING				7724S1664	
CHEMINA	77 OHM, AWG 24, 19 DATA BUS CAB	77 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED SHIELD, DATA BUS CABLE, MIL-STD-1553, OUTER SPACE USE			8-15-14 F
		OF THE LATEST ISSUE OF RAYCHE			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS			
IMENSIONS ARE NOMINAL VAL ESIGNATED.	UES 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)			
	Low Outgassing, Radiation-Crosslinked,	CONDUCTOR RESISTANCE			
±.002	Modified ETFE Colors - Light Blue/White	CROSSLINKING PROOF TEST	26.5 ohms/1000 ft. (nominal) 300 $\pm$ 3°C for 1 hour, .625 inch mandrel, .375 lb, 2.5 kV dielectric test		
.032 .113 .129 (nominal) .140 (maximum)	FILLERS Low Outgassing, Radiation-Crosslinked, Modified ETFE	INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH INSULATION FLAWS	50% (minimum) 5000 lbf/in² (minimum)		
			3.0 kV (rms) 8.0 kV (peak) 5000 megohms for 1000 ft. (minimum) -65 ± 3°C for 4 hours, .750 inch mandrel, 1.00 lb, 2.5 kV dielectric test		
	SHIELD AWG 38,	SHRINKAGE	200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches		ches
	Silver-Coated Copper, Optimized				
	Optimized	(Test procedures per NEMA WC 27500, unless otherwise specified)			
		BLOCKING CABLE LAY LENGTH CROSSLINKED VERIFICATION FLAMMABILITY (Method B of Spec 1200) JACKET	200°C for 6 hours .75 inch (minimum), 1.25 inches (maximum $300 \pm 5$ °C for 6 hours, 6.00 inch mandrel 3 seconds (maximum); 3 inches (maximum no flaming of facial tissue 50% (minimum) 5000 lbf/in <sup>2</sup> (minimum) 1.0 kV (rms) 6.0 kV (peak) .008 inch (nominal) -55 $\pm$ 5°C for 4 hours, 6.00 inch mandrel 1500 volts (rms)		
		ELONGATION TENSILE STRENGTH			
	JACKET Low Outgassing, Radiation-Crosslinked, Modified ETFE	JACKET FLAWS SPARK TEST IMPULSE TEST JACKET THICKNESS LOW TEMPERATURE-COLD BEND VOLTAGE WITHSTAND (DIELECTRIC)			
		WEIGHT	14.5 lbs/1000 ft.	(nominal)	
		OUTER SPACE REQUIREMENTS			
	J	RADIATION RESISTANCE	500 megarads, 3.75 inch mandrel, 1.0 kV dielectric test		
Designate outer jacket color with a dash number in accordance with <i>I</i> IL-STD-681. Unless otherwise specified, outer jacket color will be white (designated by a "-9" appended to the part number, a.g. 7724S1664-9). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.		VACUUM STABILITY TOTAL MASS LOSS (TML) VOLATILE CONDENSABLE MATERIAL (VCM)	1.00% (maximum) 0.10% (maximum)		
		WEIGHT LOSS	0.45% (maximum)		
		ENGINEERING REFERENCE	200°C (maximum)		
sers should evaluate the suitab		Specifications are subject to change with not affect compliance with any specification			ooration also
Page 1 of 1		Connectivity, TE connectivity (logo), and			
	chem Wire & Cable	THIS SPECIFICATION SHEET TAKES PRECEDE			
501	Oakside Avenue Iwood City, California 94063-3800	REFERENCED DOCUMENTS SHALL BE OF THE	ISSUE IN EFFECT O	N DATE OF INVIT	ATION FOR BID