SPECIFICATION CONTROL DRAWING			7724Y3664
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36 DATA BUS CABLE, MIL-STD-1553		Date: 8-8-18 Revision: E
THIS SPECIFIC	ATION SHEET FORMS A PA	RT OF THE LATEST ISSUE OF RAYCH	HEM SPECIFICATION 1200.
CONSTRUCTIO	N DETAILS	ELECTRICAL	CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.		CHARACTERISTIC IMPEDANCE	77 ± 5 ohms, Method C at 1 MHz
THERWISE DESIGNATED.		MUTUAL CAPACITANCE	30.0 pF/ft. (maximum)
0 0	CONDUCTORS	ATTENUATION	1.4 dB/100 ft. (maximum) at 1 MHz
.0250			
	AWG 24,	ADDITIONAL REQUIREMENTS COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)	
	19 Strands of AWG 36, Silver-Coated High-		
.0515	Strength Copper Alloy	CONDUCTOR RESISTANCE	26.5 ohms/1000 ft. (nominal)
001	DIELECTRICS Radiation-Crosslinked.	CROSSLINKING PROOF TEST	$300 \pm 3^{\circ}$ C for 1 hour, .500 inch mandrel,
.035	Modified ETFE		.375 lb, 2.5 kV dielectric test
	Colors - Light Blue/White	INSULATION (DIELECTRIC) ELONGATION	50% (minimum)
N	FILLERS Radiation-Crosslinked,	TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
	Modified ETFE	INSULATION FLAWS SPARK TEST	3.0 kV (rms)
		IMPULSE TEST	8.0 kV (peak)
			5000 megohms for 1000 ft. (minimum)
	1st SHIELD	LOW TEMPERATURE-COLD BEND	-65 ± 3°C for 4 hours, .500 inch mandrel, 1.00 lb, 2.5 kV dielectric test
.120	AWG 38,	SHRINKAGE	200 ± 3°C for 1 hour,
	Tin-Coated Copper		.125 inch (maximum) in 12 inches SHED CABLE
			WC 27500, unless otherwise specified)
		BLOCKING	200°C for 6 hours
.124	WRAP	CABLE LAY LENGTH	.75 inch (minimum), 1.25 inches (maximum)
	Separator Tape	CROSSLINKED VERIFICATION	$300 \pm 5^{\circ}$ C for 6 hours, 6.00 inch mandrel
		FLAMMABILITY (Method B of Spec 1200)	3 seconds (maximum), 3 inches (maximum) no flaming of facial tissue
	2nd SHIELD	JACKET ELONGATION	50% (minimum)
.141	AWG 38, Tip Costed Copper	TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
	Tin-Coated Copper	JACKET FLAWS SPARK TEST	1.0 kV (rms)
		IMPULSE TEST	6.0 kV (peak)
	JACKET		.008 inch (nominal)
.157	Radiation-Crosslinked,	LOW TEMPERATURE-COLD BEND SHIELD COVERAGE (each)	-55 ± 5°C for 4 hours, 6.00 inch mandrel 85% (minimum)
	Modified ETFE	VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)
		WRAP	.001 inch thick (nominal), 25% overlap (minimum)
enignete outer insket seler with a	deep number in accorden	CABLE IDENTIFICATION: Outer jack at 12 inch (nominal) intervals betwee	ket shall be marked in contrasting color een marks follows:
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, e.g. 7724Y3664-9. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.			
			applicable jacket color
		WEIGHT	22.4 lbs/1000 ft. (nominal)
		ENGINEERING REFERENCE	
		TEMPERATURE RATING	150°C (maximum)
		<ul> <li>Specifications are subject to change wit compliance with any specification, without</li> </ul>	hout notice. TE Connectivity also reserves the notification to Buyer.
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