

SPECIFICATION CONTROL DRAWING

3EQ-24C222-32M

IEEE 1394B QUAD CABLE, AWG 24

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CONSTRUCTION DETAILS				ELI	ELECTRICAL CHARACTERISTICS		
			Conductor		TABLE II		
			Insulation		Frequency MHz	Attenuation dB/100 ft (max)	
IAY /			Filler		100	6.8	
	SL QL Wrap				250	10.9	
					500	15.5	
			Inner Shield		1000	26.0	
1 HAN			Outer Shield				
Jacket				Impedance (Commo Crosstalk: Capacitance: Conductor DC Resis Time Delay:	Capacitance:13 pF/ft. (maximum) at 1 kHz.Conductor DC Resistance:23.0 ohms/1000ft (nominal)Time Delay:1.31 ns/ft (maximum)Time Delay Skew:200 ps/50 ft (maximum), within pair		Ĩ
	ingle Component Dimensions Conductor: AWG 24, 19/36, silver-coated .025 copper .025			Time Delay Skew Be	etween Pairs: 40	00 ps/4.5 m (maximum)	
				Velocity of Propagat Eye Pattern:		81% (nominal) Eye pattern to have zero violations on eye	
Insulation: Cable Assembly		ned FEP	.051 (.056 max)	m	ask of 450mVp-p X 1000 ps for 65	5
Core:	Soli	d FEP filler	.020		π	sample.	
Layer 1: Wrap:		ngles FE .003" Tape 7:	.122 5% overlap (nom) .146				
nner Shield: AWG 40, silver-coated copper .159				ADDITI	ADDITIONAL REQUIREMENTS & RATINGS		
Outer Shield: AWG 38, silver-coated copper .176 92% coverage (minimum)(each)			Temperature Rating:		5°C to 200°C		
Jacket:	FEP	.008 inch thick	ness .192 (max)				
Weight: 32.6 lbs/kft (max)				Voltage Withstand:		1500V (rms), conductor to conductor; 1000V (rms) conductor to shield.	
(Dimensions are in inches and unless otherwise specified are nominal.) TABLE I				Cold Bend:	-5.	5° C; 6 inch Mandrel: 4 hours	
				Blocking:	20	0° C; 6 inch Mandrel: 6 hours	
	Single			Flammability:	Sp	ec 1200 Method B	
	Wire	Pair	Wire Insulation color		-		
	1	1	3L (light orange)	Thermal Shock:		0° C; 1.75" Mandrel; 4 hours per EMA WC 27500	
	2	2	2L (light red)	Jaakat Elawa			
\vdash	3	1	6L (light blue)	Jacket Flaws:	1	park Test 1.5 kV (rms) npulse Dielectric Test: 6.0 kV (peak	:)
	4	Ĺ	5L (light green)	Jacket Elongation:	20	0% minimum	
Designate outer	jacket colo	or with a dash nu	mber appended to the part number				
		EQ-24C222-32M		Jacket Tensile Streng	gth: 20	00 psi minimum	
Color code designators shall be in accordance with MIL-STD-681. An "L" after the number indicates a light color and a "D" dark color.				or	Cable will be supplied in 50 ft minimum lengths unless otherwise specified		

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