

SPECIFICATION CONTROL DRAWING

CAT5e CABLE, AWG 24

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						CONSTRU		N DE	IAILS		TABLE II		
Conductor								Dete	D'				
Insulation								<u>Pair</u>	Dimensions inches (nom				
P					Pai	ir		Conductor:		AWG 24 7/32,	.024		
								Insulation:		Foamed Polyethylene		.047	
Inner Shield							Cab	•					
							Core:		4 Pairs	.213			
				Ou	ter shield		Inner Shield		Aluminum/PE 25% min. over	.223			
							Outer Shield:		AWG 34, tin-coated copper		.249		
Jacket							Jacket:		Optimized to meet ZT requirement. Zerohal, .040 inch thickness		.328 ± .03		
	TABLE I - Pair #			I - Insulation Color Coding			$\neg \mid$		le Weight:	60.52 lbs/kft		.520 ± .05	
				Wire #1		Wire #2		Designate outer jacket color with a dash number appended to the			the part numbe		
	1	1 9 (white)		white)	6L	(light blue)	\neg		Example: Black jacket; C5E-24B114-Y18-0				
	2 9 (white		. ,		3L	(light orange	;)	Color code designators shall be in accordance with MIL-STD- the number indicates a light color.				681. An "L" a	
			9 (v	9 (white)		(light green)	-						
			white)		(light brown)								
					E	LECTRICAI	L CHA	RAC	TERISTICS				
						T	ABLE	III					
	Frequency		on Loss	Return L		NEXT	ACR		PS NEXT	PSACRF	Propagation Delay		
	MHz	1	00m ax)	dB/1001 (min)	m	dB/100m (min)	dB/10 (mir		dB/100m (min)	dB/100m (min)	ns/100m (max)		
	1		.4	20.0		65.3	63.8	8	62.3	60.8	570		
	4	8 6 10 7 16 9		9 23.0		56.3	51.8		53.3	48.8	552		
	8			5.9 24.5 7.8 25.0 0.8 25.0		51.8	45.7	7	48.8 42.7 547	547			
						50.3 47.3 45.8 44.3	43.8		47.3	40.8	545		
								9.7	44.2	36.7	543		
	25 1		1.1 25.0 2.5 24.2 4.0 23.3				37.8		42.8 41.3	34.8 32.8	542		
						42.9	33.9		39.9	30.9	540		
	62.5).4	20.7		38.4	27.9		35.4	24.9	539		
	100		5.4	19.0		35.3	23.8		32.3	20.8	538		
Note: Values	in Table III for	RL and	NEXT ar	e for refere	nce	only. Actual	values s	shall b	be determined u	tilizing the forn	nulas in ANSI/TIA-568.2 (issue in effect	
Delay Skew:	C Resistance: sfer Impedance	Mu Pai 100 26. 45 :: 700	tual Cap r to groun ± 15 ohn 2 ohms/1 ns/100 m	acitance: 5 nd capacita ms at 1 to 1 000 ft (non eter (maxin ns/m (max)	5.6 n nce 1 00 N ninal num	MHz. (for refe l) @ 20°C.) at 1 to 100 l	n) at 1 k 30 pF/1 erence c MHz.	cHz. 00 m only).	(max) at 1 kHz EMP response		24643 on a .33 meter test s	ample.	
E Connectivity Raychem Wire of 01 Oakside Av Redwood City, -800-522-6752	& Cable enue California 9406	53-3800	by the pu Corporat specifica This speci in effect	irchase ord ion also res tion, witho cification sl on date of i	er. U serve ut no heet invit	Jsers should e es the right to otification to E takes precede ation for bid.	evaluate make c Buyer. ence ove	e the s hange er doc	uitability of thi es in materials o uments referen	s product for the or processing, we ced herein. Ref	re any additional requireme eir application. TE Connec hich do not affect complia erenced documents shall b ogo) are trademarks.	tivity nce with any	



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connectivity						
ADDITIO	NAL R	EQUIREME	NTS & R	ATINGS		
Temperature Rating:						
Shield:	Shield A the surfa	WG is nominal to ce transfer imped	allow for chalance.	anges to meet		
Specification:	Spec 120	0 (Electricals)				
Cable will be supplie	ed in 50 ft	minimum lengths	unless otherv	vise specified.		
TE Connectivity Co Raychem Wire & C 501 Oakside Avenu	able e					
Redwood City, Cali 1-800-522-6752		63-3800				

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