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LOC	DIST	REVISIONS					
EC	00	P	LTR	DESCRIPTION	DATE	DRN	APRD
		K		ECR-14-011709	04AUG2014	CL	JC

CATEGORY 5e PERFORMANCE CHARACTERISTICS

FREQUENCY (MHz)	ATTENUATION (dB/100m)		NEXT (dB, WORST PR)		PSNEXT (dB)		ELFEXT (dB, WORST PR)		PSELFEXT (dB)		DELAY (ns/100m)	SRL (dB)	RL (dB)	IMPEDANCE (ohms)	ACR
	MAXIMUM	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MAXIMUM	MINIMUM	MINIMUM		TYPICAL	
0.772	1.8	69	76	66	70	66	71	63	68	575	23.0	19.4	100±15	74.2	
1.00	2.0	67	74	64	68	64	69	61	66	570	23.0	20.0	100±15	72.0	
4.00	4.1	58	65	55	59	52	57	49	54	552	23.0	23.1	100±15	60.9	
8.00	5.8	54	61	51	55	46	51	43	48	547	23.0	24.5	100±15	55.2	
10.00	6.5	52	59	49	53	44	49	41	46	545	23.0	25.0	100±15	52.5	
16.00	8.2	49	56	46	50	40	45	37	42	543	23.0	25.0	100±15	47.8	
20.00	9.3	48	55	45	49	38	43	35	40	542	23.0	25.0	100±15	45.7	
25.00	10.4	46	53	43	47	36	41	33	38	541	22.0	24.3	100±15	42.6	
31.25	11.7	45	52	42	46	34	39	31	36	540	21.1	23.6	100±15	40.3	
62.50	17.0	40	47	37	41	28	33	25	30	539	18.1	21.5	100±15	30.0	
100.00	22.0	37	44	34	38	24	29	21	26	538	16.0	20.1	100±15	22.0	
155.00	28.1	34	41	31	35	20	25	17	22	537	14.1	18.8	100±15	12.9	
200.00	32.4	33	40	30	34	18	23	15	20	537	13.0	18.0	100±15	7.6	

- △ LENGTH SEQUENCE IS RETURNED TO ZERO FOR EACH LENGTH
LENGTH MEASUREMENT ACCURACY TO BE ±1%
- △ PRINT COLOR SHALL BE BLACK, EXCEPT WHITE ON BLACK JACKET
- △ PRINT DURABILITY SHALL BE PER UL 444
- 4 GOVERNING SPECIFICATIONS – LATEST REVISIONS
TIA 568
NEC 800
UL 444
- △ XX=JACKET COLOR, BL=BLUE, WT=WHITE, GY=SLATE GRAY, GN=GREEN, YL=YELLOW, OR=ORANGE, RD=RED, VT=VIOLET, BK=BLACK, PK=PINK, LB=LIGHT BLUE, LG=LIGHT GREEN, JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND CABLE LIMITS OR TE CONNECTIVITY SUPPLIED COLOR STANDARD

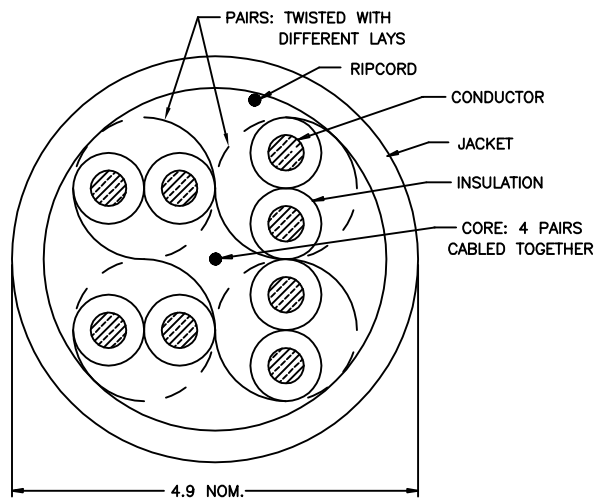
IAW EIA/TIA 568, LATEST ISSUE, FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.

TE CONNECTIVITY 510 SERIES CAT5E [abcd] E138034 4PR 24AWG UTP CM (UL) VERIFIED (XXX) Category 5e 75C [length] M YYWW [tracking number]

LEGEND SHALL BE REPEATED EVERY METER

COLOR CODE

PAIR	COLOR CODE
1	WHT/BLU//BLU
2	WHT/ORG//ORG
3	WHT/GRN//GRN
4	WHT/BRN//BRN



CATALOG NUMBER	PACKAGING
TE510M-XXMI-AP	305M REEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN CONG LI 04AUG2014		TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK ENIAC XU 04AUG2014		CABLE, CAT 5E, 4 UTP, 24 AWG, CM	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		APPD ADAM ZHU 04AUG2014	NAME		
MATERIAL		FINISH	PRODUCT SPEC		
			APPLICATION SPEC		
			WEIGHT	SIZE	CAGE CODE DRAWING NO
				A2	00779 ©=219590
			CUSTOMER DRAWING	SCALE	NTS SHEET 1 of 1 REV K