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LOC	DIST	REVISIONS					
EC	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			G	ECR-09-017315	05NOV2009	K.L	R.C
			H	ECR-09-026710	14DEC2009	K.L	R.C

CATEGORY 5e PERFORMANCE CHARACTERISTICS

FREQUENCY (MHz)	ATTENUATION	NEXT		PSNEXT		ELFEXT		PSELFEXT		DELAY	SRL	RL	IMPEDANCE (ohms)	ACR
	(dB/100m)	(dB, WORST PR)		(dB)		(dB, WORST PR)		(dB)		(ns/100m)	(dB)	(dB)		TYPICAL
	MAXIMUM	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MAXIMUM	MINIMUM	MINIMUM		
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

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

- 1 SEQUENTIAL METREAGE IS NOT RETURNED TO ZERO FOR EACH LENGTH
SEQUENTIAL METREAGE ACCURACY TO BE $\pm 1\%$
- 2 JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A
WIRE AND CABLE LIMITS OR TYCO ELECTRONICS SUPPLIED COLOR STANDARD
- 3 JACKET MARKED PER UL 444.
- 4 ABCD IS DATE CODE — AB YEAR
CD — WEEK
EXAMPLE 9513 (PER 102-60)
- 5 GOVERNING SPECIFICATIONS — LATEST REVISIONS
EIA/TIA 568 CATEGORY 5e
NEC 800
UL 444 — CM
- 6 ZZZ IS VERIFICATION AGENCY.
- 7 INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN,
BROWN AND WHITE

5 GOVERNING SPECIFICATIONS – LATEST REVISIONS

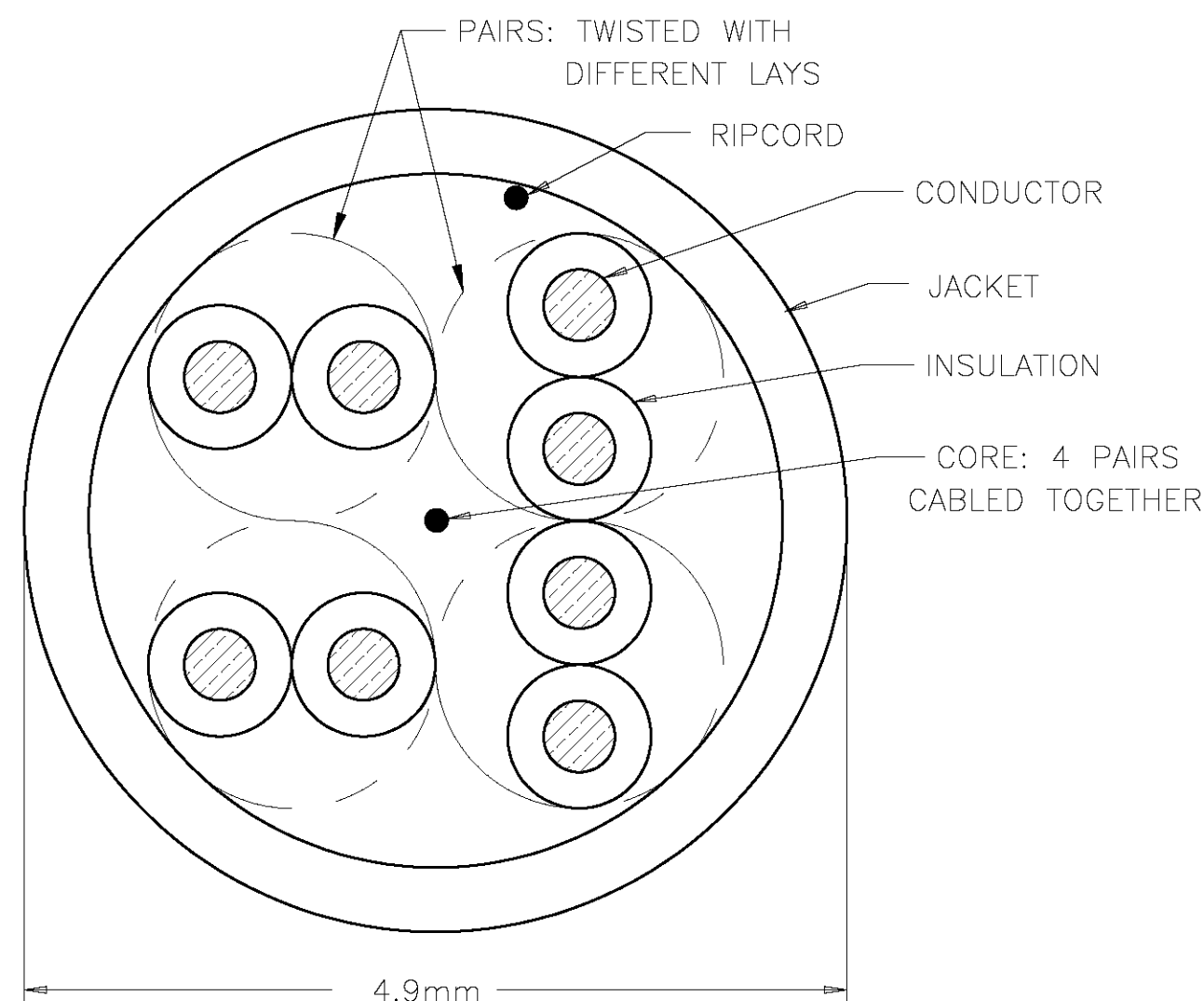
EIA/TIA 568 CATEGORY 5e
NEC 800
UL 444 - CM

ZZZ IS VERIFICATION AGENCY.

INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN,
BROWN AND WHITE

COLOR CODE

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



LEGEND TO BE REPEATED EVERY METRE

AMP NETCONNECT CATEGORY 5e CABLE E138034 XXYY 24AWG CM (UL) c(UL) CMG ZZZ VERIFIED TO CATEGORY 5e [SEQUENTIAL #] METRE ABCD

LIGHT GREEN	305±2%	PULL BOX	8-219590-3				
RED	305±2%	PULL BOX	7-219590-6				
LIGHT BLUE	305±2%	PULL BOX	7-219590-5	YELLOW	152-298	PULL BOX	2-219590-8
GREEN	305±2%	PULL BOX	7-219590-3	BLUE	152-298	PULL BOX	2-219590-6
GLOSSY WHITE	305±2%	PULL BOX	7-219590-2	GRAY	152-298	PULL BOX	2-219590-4
PINK	305±2%	PULL BOX	7-219590-1	WHITE	152-298	PULL BOX	2-219590-2
PURPLE	305±2%	PULL BOX	6-219590-9	RED	305±2%	REEL BOX	1-219590-6
YELLOW	305±2%	PULL BOX	6-219590-8	RED	305±2%	REEL	1-219590-5
BLUE	305±2%	PULL BOX	6-219590-6	GREEN	305±2%	REEL	1-219590-3
GRAY	305±2%	PULL BOX	6-219590-4	PINK	305±2%	REEL BOX	1-219590-2
WHITE	305±2%	PULL BOX	6-219590-2	PINK	305±2%	REEL	1-219590-1
YELLOW	152-298	REEL BOX	3-219590-8	YELLOW	305±2%	REEL BOX	219590-8
YELLOW	152-298	REEL	3-219590-7	YELLOW	305±2%	REEL	219590-7
BLUE	152-298	REEL BOX	3-219590-6	BLUE	305±2%	REEL BOX	219590-6
BLUE	152-298	REEL	3-219590-5	BLUE	305±2%	REEL	219590-5
GRAY	152-298	REEL BOX	3-219590-4	GRAY	305±2%	REEL BOX	219590-4
GRAY	152-298	REEL	3-219590-3	GRAY	305±2%	REEL	219590-3
WHITE	152-298	REEL BOX	3-219590-2	WHITE	305±2%	REEL BOX	219590-2
WHITE	152-298	REEL	3-219590-1	WHITE	305±2%	REEL	219590-1
COLOR $\triangle$ ₂	LENGTH (METRE)	PACKAGE	PART NUMBER	COLOR $\triangle$ ₂	LENGTH (METRE)	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN K. LEE 14DEC2009		 Tyco Electronics Tyco Electronics Corporation Shanghai 200233	
		CHK R. CHEN 14DEC2009			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CABLE, CAT 5E, 4 UTP, 24 AWG, CM SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		APVD R. CHEN 14DEC2009			
		PRODUCT SPEC			
		APPLICATION SPEC			
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
-		-		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		WEIGHT		-	
		CUSTOMER DRAWING		SCALE NTS	
				SHEET 1 of 1	
				REV H	