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LOC		DIST		REVISIONS			
EH		00		DESCRIPTION	DATE	DWN	APVD
				M	REV ECO-07-017086	24JUL07	LH JG

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 (dB)	
		MINIMUM	TYPICAL	MAXIMUM	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL			MINIMUM	TYPICAL			
0.772	1.8	69	76	-	66	70	66	71	63	68	-	23.0	-	-	100±15	67.2	74.2
1.00	2.0	67	74	-	64	68	64	69	61	66	570	23.0	20.0	26.0	100±15	65.3	72.3
4.00	4.1	58	65	-	55	59	52	57	49	54	552	23.0	23.0	29.0	100±15	54.2	61.2
8.00	5.8	54	61	-	51	55	46	51	43	48	547	23.0	24.5	30.5	100±15	48.0	55.0
10.00	6.5	52	59	-	49	53	44	49	41	46	545	23.0	25.0	31.0	100±15	45.8	52.8
16.00	8.2	49	56	-	46	50	40	45	37	42	543	23.0	25.0	31.0	100±15	41.0	48.0
20.00	9.3	48	55	-	45	49	38	43	35	40	542	23.0	25.0	31.0	100±15	38.5	45.5
25.00	10.4	46	53	-	43	47	36	41	33	38	541	22.0	24.3	30.3	100±15	35.9	42.9
31.25	11.7	45	52	-	42	46	34	39	31	36	540	21.1	23.6	29.6	100±15	33.2	40.2
62.50	17.0	40	47	-	37	41	28	33	25	30	539	18.1	21.5	27.5	100±15	23.4	30.4
100.00	22.0	37	44	-	34	38	24	29	21	26	538	16.0	20.1	26.1	100±15	15.3	22.3
155.00	28.1	34	41	-	31	35	20	25	17	22	537	14.1	18.8	24.8	100±15	6.4	13.4
200.00	32.4	33	40	-	30	34	18	23	15	20	537	13.0	18.0	24.0	100±15	0.4	7.4

- GOVERNING SPECIFICATIONS: (LATEST ISSUE)
EIA/TIA 568
CATEGORY 5e
NEC 800
UL444 CMP
- JACKET MARKED PER UL444.
- XXYY IS AMP MANUFACTURING LOCATION
- ABCD IS DATE CODE - AB YEAR
CD WEEK
E DAY
EXAMPLE 9513 (PER 102-60)
- SEQUENTIAL FOOTAGE IS NOT RETURNED TO ZERO FOR EACH LENGTH
- E138034 IS AMP'S UL LISTING NUMBER
- MATERIALS ARE SELECTED BASED ON THEIR ABILITY TO CONFORM TO UL 444 AND EIA/TIA 568, LATEST ISSUES
- INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN, BROWN AND WHITE. THE INSULATION COLOR MAY BE TRANSLUCENT.
- JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA 359-A WIRE AND CABLE LIMITS OR AMP SUPPLIED COLOR STANDARD.

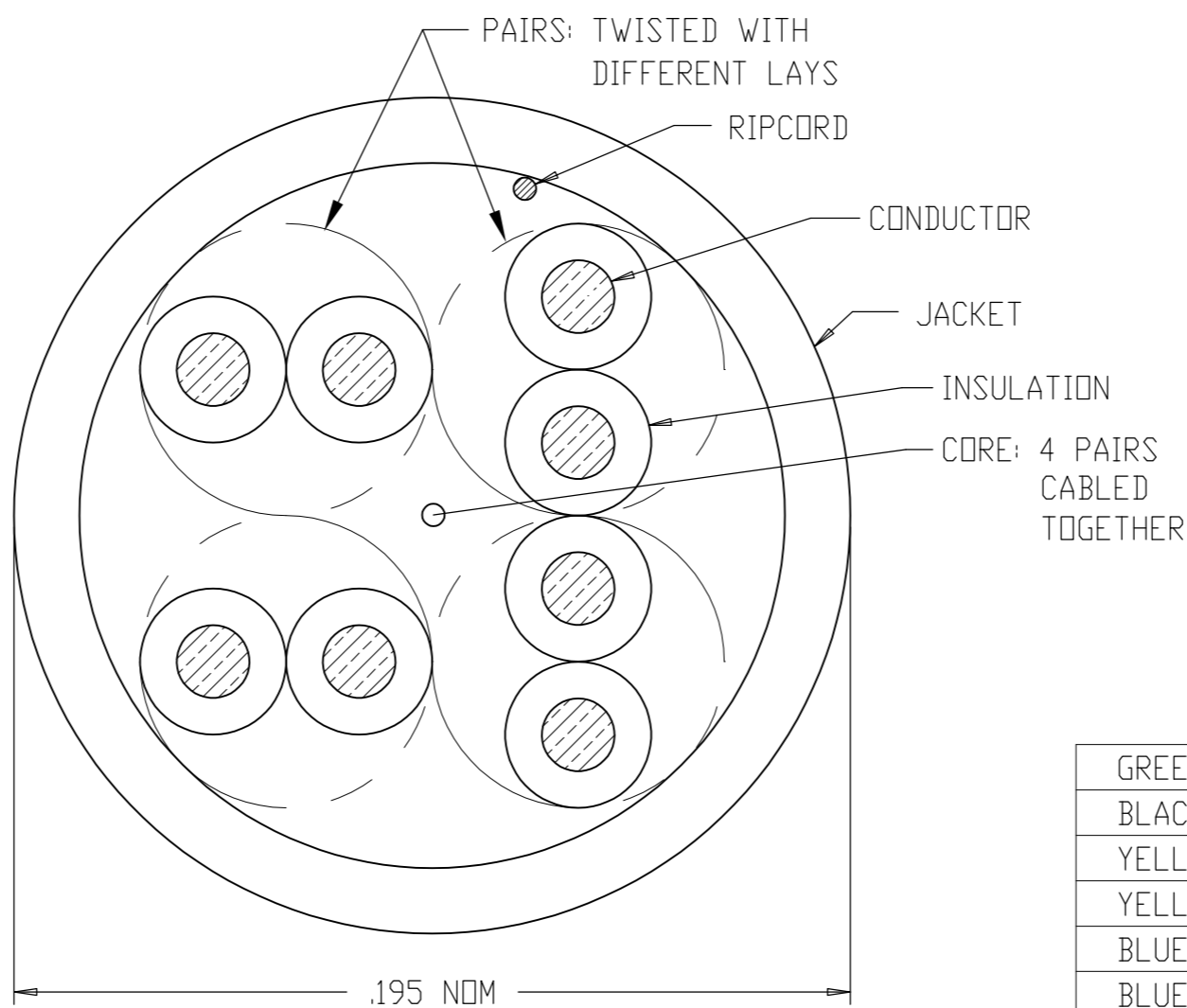
PRODUCT COMPLIES WITH TIA/EIA 568, LATEST ISSUE.
 FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.

FINISHED CABLE DATA

CONDUCTORS	WIRE AWG	24 AWG SOLID (Ø.0201 NOM)	7
	MATERIAL	COPPER	
	PLATING	BARE COPPER	
	ELONGATION	15% IN 10 IN. MIN	
INSULATION	MATERIAL	FEP	7
	THICKNESS	.006 NOM (Ø.032 NOM)	
JACKET	MATERIAL	POLYMER ALLOY	7
	THICKNESS	.015 NOM (Ø.195 NOM)	

ELECTRICAL REQUIREMENTS

INSULATION RESISTANCE PER AMP 109-70	500 MEGOHMS MIN/1000 FT
CONDUCTOR RESISTANCE	28.6 OHMS MAX/1000 FT



COLOR CODE 8

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

GREEN	1000±2%	PULL BOX	8-219513-4	RED	1000±2%	REEL BOX	1-219513-6
BLACK	1000±2%	REEL BOX	7-219513-1	GREEN	1000±2%	REEL BOX	1-219513-4
YELLOW	1000±2%	PULL BOX	6-219513-8	PINK	1000±2%	REEL BOX	1-219513-2
YELLOW	3000±2%	REEL	6-219513-7	PINK	1000±2%	REEL	1-219513-1
BLUE	1000±2%	PULL BOX	6-219513-6	ORANGE	1000±2%	REEL BOX	1-219513-0
BLUE	3000±2%	REEL	6-219513-5	YELLOW	1000±2%	REEL BOX	219513-8
GRAY	1000±2%	PULL BOX	6-219513-4	YELLOW	1000±2%	REEL	219513-7
GRAY	3000±2%	REEL	6-219513-3	BLUE	1000±2%	REEL BOX	219513-6
WHITE	1000±2%	PULL BOX	6-219513-2	BLUE	1000±2%	REEL	219513-5
WHITE	3000±2%	REEL	6-219513-1	GRAY	1000±2%	REEL BOX	219513-4
YELLOW	5000±10%	REEL	5-219513-7	GRAY	1000±2%	REEL	219513-3
BLUE	5000±10%	REEL	5-219513-5	WHITE	1000±2%	REEL BOX	219513-2
GRAY	5000±10%	REEL	5-219513-3	WHITE	1000±2%	REEL	219513-1
COLOR 9	LENGTH (FEET)	PACKAGE	PART NUMBER	COLOR 9	LENGTH (FEET)	PACKAGE	PART NUMBER

LEGEND TO BE REPEATED EVERY 24"

AMP NETCONNECT CATEGORY 5e CABLE E138034 XXYY 24AWG (UL) CMP/MPP c(UL) ETL VERIFIED TO CATEGORY 5e [SEQUENTIAL #] FT ABCDE (TIME)



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	15AUG03	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: INCHES		CHK	15AUG03	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	15AUG03	CABLE, NETCONNECT CAT 5e, 4 UTP, 24AWG, CMP	
0 PLC ±		PRODUCT SPEC		SIZE	
1 PLC ± .1		APPLICATION SPEC		CAGE CODE	
2 PLC ± .02		WEIGHT		DRAWING NO	
3 PLC ± .005		CUSTOMER DRAWING		RESTRICTED TO	
4 PLC ± .0005		SCALE	NTS	SHEET 1 OF 1	
ANGLES ±		REV	M		