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LOC	DIST	REVISIONS			25JUN2010	LH	JG
EH	00	DESCRIPTION	DATE	DWN	APVD		
		REV ECO-10-013386	25JUN2010	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	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.
- MANUFACTURING LOCATION
- ABCD IS DATE CODE - AB YEAR  
CD WEEK  
E DAY  
EXAMPLE 9513 (PER 102-60)
- SEQUENTIAL FOOTAGE IS RETURNED TO ZERO FOR EACH LENGTH
- 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.

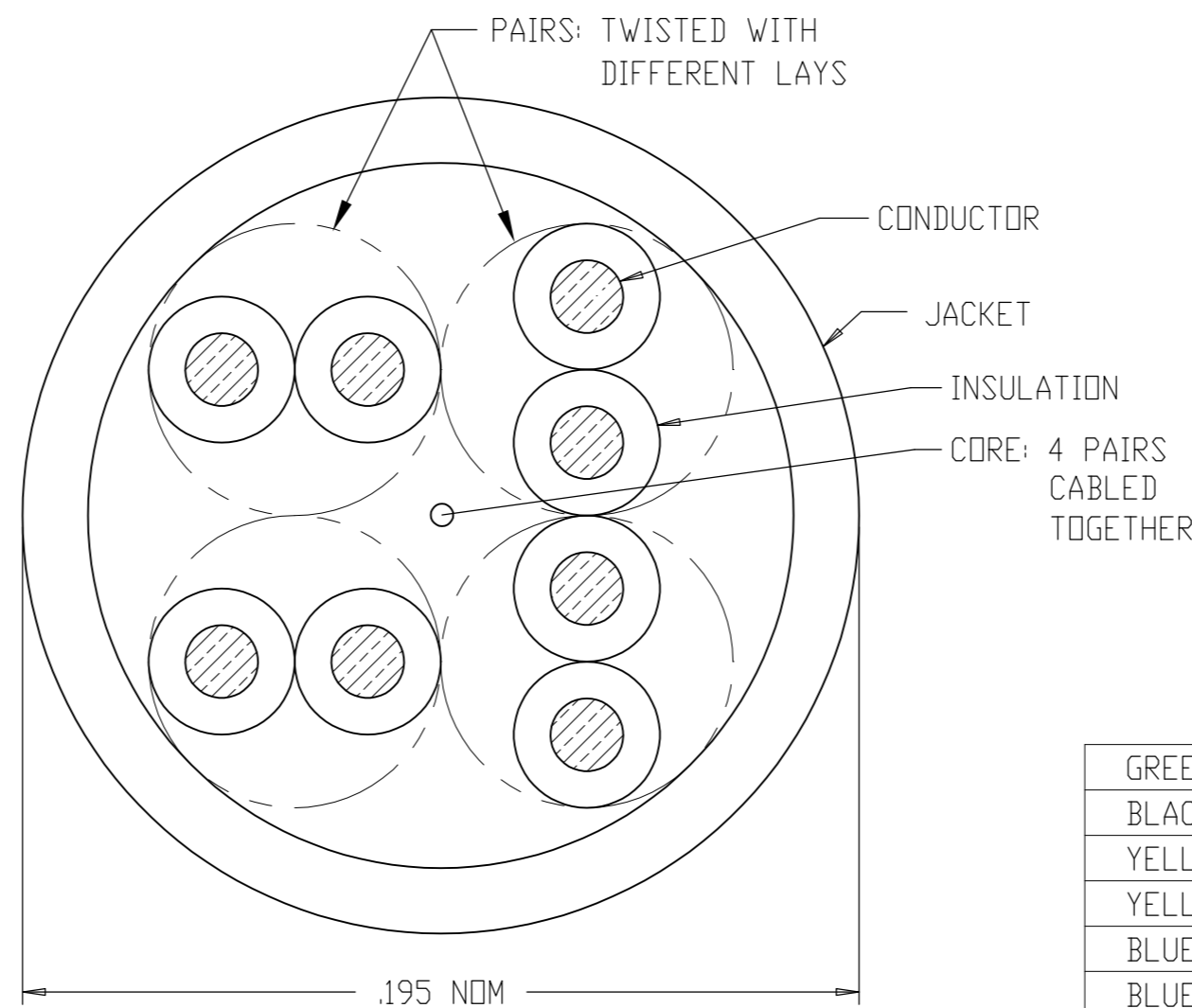
PRODUCT COMPLIES WITH TIA/EIA 568, LATEST ISSUE. FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.

#### FINISHED CABLE DATA

CONDUCTORS	WIRE AWG	24 AWG SOLID (Ø.0201 NOM)	7
	MATERIAL	COPPER	
	PLATING	BARE COPPER	
INSULATION	ELONGATION	15% IN 10 IN. MIN	7
	MATERIAL	FEP	
	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

PAIR	
1	WHT/BLU
2	WHT/DRG
3	WHT/GRN
4	WHT/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	LENGTH (FEET)	PACKAGE	PART NUMBER	COLOR	LENGTH (FEET)	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	L.HALL	15AUG03
CHK	R. SPEER	15AUG03
APVD	R.SPEER	15AUG03

Tyco Electronics Corporation  
Harrisburg, Pa 17105-3608

CABLE, NETCONNECT CAT 5e, 4 UTP, 24AWG, CMP

SIZE: A2 CAGE CODE: 00779 DRAWING NO: C-219513 RESTRICTED TO: -

CUSTOMER DRAWING SCALE: NTS SHEET: 1 OF 1 REV: R

LEGEND TO BE REPEATED EVERY 24"  
 AMP NETCONNECT CATEGORY 5e CABLE 0600 24 AWG CMP (UL)US ETL VERIFIED TO CATEGORY 5e [SEQUENTIAL #] FT ABCDE (TIME)

