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LOC	DIST	REVISIONS					
EH	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		AL		REV; ECO-08-021490	04SEP08	GG	JG

ENHANCED 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	72	81	-	69	77	66	73	63	70	-	23.0	-	-	100±15	70.2	79.2
1.00	2.0	70	79	-	67	75	64	71	61	68	570	23.0	20.0	28.0	100±15	68.3	77.3
4.00	4.1	61	70	-	58	66	52	59	49	56	552	23.0	23.1	31.0	100±15	57.2	66.2
8.00	5.8	57	66	-	54	62	46	53	43	50	547	23.0	24.5	32.5	100±15	51.0	60.0
10.00	6.5	55	64	-	52	60	44	51	41	48	545	23.0	25.0	33.0	100±15	48.8	57.8
16.00	8.2	52	61	-	49	57	40	47	37	44	543	23.0	25.0	33.0	100±15	44.0	53.0
20.00	9.3	51	60	-	48	56	38	45	35	42	542	23.0	25.0	33.0	100±15	41.5	50.5
25.00	10.4	49	58	-	46	54	36	43	33	40	541	22.0	24.3	32.3	100±15	38.9	47.9
31.25	11.7	48	57	-	45	53	34	41	31	38	540	21.1	23.6	31.6	100±15	36.2	45.2
62.50	17.0	43	52	-	40	48	28	35	25	32	539	18.1	21.5	29.5	100±15	26.4	35.4
100.00	22.0	40	49	-	37	45	24	31	21	28	538	16.0	20.1	28.1	100±15	18.3	27.3
155.00	28.1	37	46	-	34	42	20	27	17	24	537	14.1	18.8	26.8	100±15	9.4	18.4
200.00	32.4	36	45	-	33	41	18	25	15	22	537	13.0	18.0	26.0	100±15	3.4	12.4
225.00	34.7	35	44	-	32	40	17	24	14	21	536	12.5	17.6	25.6	100±15	0.3	9.3
250.00	36.9	34	43	-	31	39	16	23	13	20	536	12.0	17.3	25.3	100±15	-	6.5
300.00	41.0	33	42	-	30	38	14	21	11	18	536	11.2	16.8	24.8	100±15	-	1.2
350.00	44.9	32	41	-	29	37	13	20	10	17	536	10.6	16.3	24.3	100±15	-	-

- GOVERNING SPECIFICATIONS: (LATEST ISSUE)
EIA/TIA 568
CATEGORY 5e
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 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

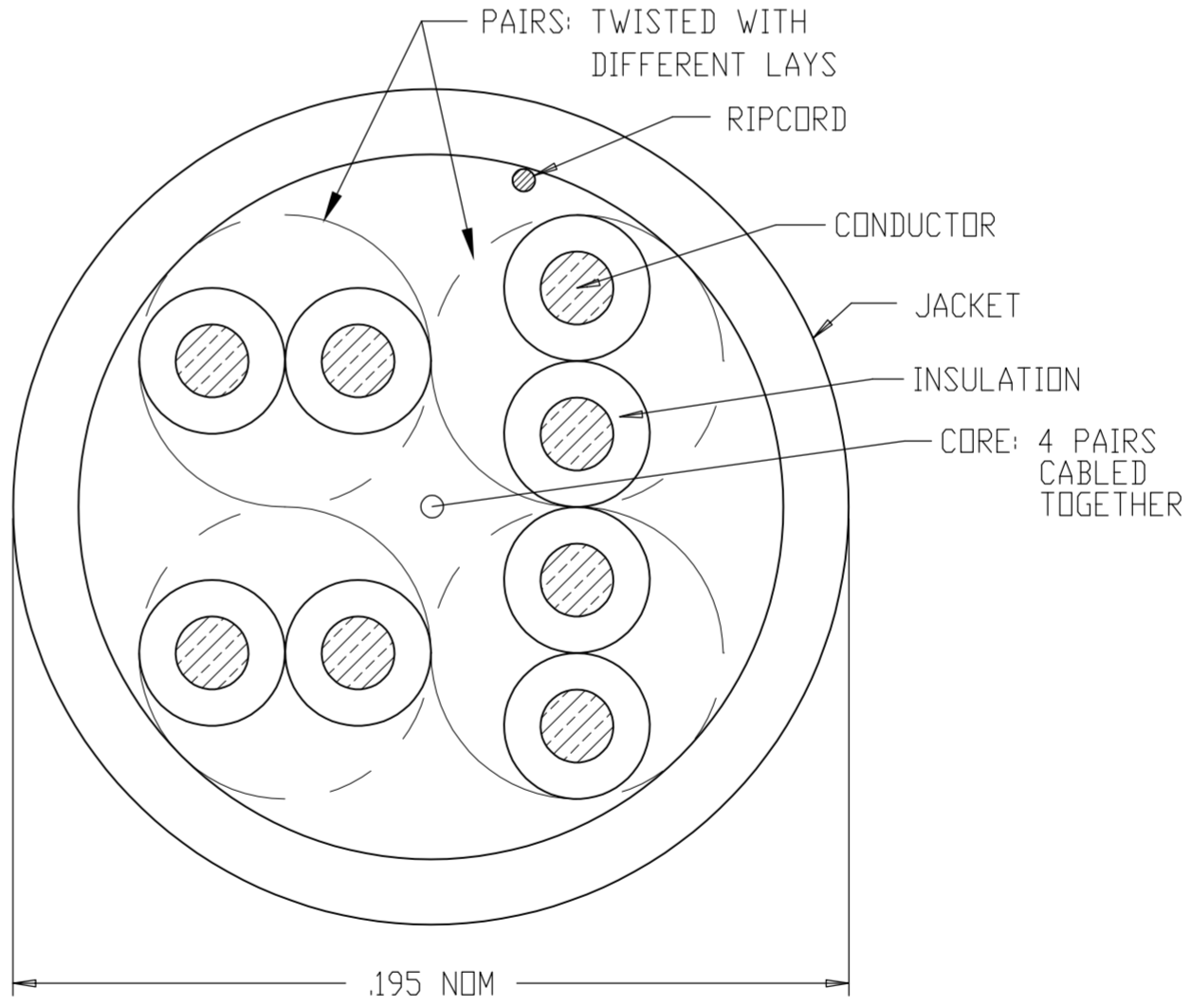
COLOR CODE 8

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

LEGEND TO BE REPEATED EVERY 24"

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

- 6 3 9 5 4



RED	1000±2%	PULL BOX	9-57825-6
ORANGE	3000±2%	REEL	8-57825-9
VIOLET	1000±2%	PULL BOX	8-57825-6
RED	3000±2%	REEL	8-57825-5
YELLOW	5000±2%	REEL	8-57825-4
GRAY	5000±2%	REEL	8-57825-3
BLACK	1000±2%	REEL BOX	8-57825-1
VIOLET	3000±2%	REEL	7-57825-9
GREEN	1000±2%	PULL BOX	7-57825-0
GREEN	3000±2%	REEL	6-57825-9
YELLOW	1000±2%	PULL BOX	6-57825-8
YELLOW	3000±2%	REEL	6-57825-7
BLUE	1000±2%	PULL BOX	6-57825-6
BLUE	3000±2%	REEL	6-57825-5
GRAY	1000±2%	PULL BOX	6-57825-4
GRAY	3000±2%	REEL	6-57825-3
WHITE	1000±2%	PULL BOX	6-57825-2
WHITE	3000±2%	REEL	6-57825-1
YELLOW	2500±2%	REEL	5-57825-7
BLUE	2500±2%	REEL	5-57825-5
BLUE	5000±2%	REEL	5-57825-4
GRAY	2500±2%	REEL	5-57825-3
WHITE	2500±2%	REEL	5-57825-1
WHITE	5000±2%	REEL	2-57825-1
VIOLET	1000±2%	REEL BOX	1-57825-8
VIOLET	1000±2%	REEL	1-57825-7
RED	1000±2%	REEL BOX	1-57825-6
GREEN	1000±2%	REEL BOX	1-57825-4
PINK	1000±2%	REEL BOX	1-57825-2
PINK	1000±2%	REEL	1-57825-1
ORANGE	1000±2%	PULL BOX	1-57825-0
ORANGE	1000±2%	REEL BOX	57825-9
YELLOW	1000±2%	REEL BOX	57825-8
YELLOW	1000±2%	REEL	57825-7
BLUE	1000±2%	REEL BOX	57825-6
BLUE	1000±2%	REEL	57825-5
GRAY	1000±2%	REEL BOX	57825-4
GRAY	1000±2%	REEL	57825-3
WHITE	1000±2%	REEL BOX	57825-2
WHITE	1000±2%	REEL	57825-1
COLOR	LENGTH (FEET)	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	M. BOLES	26NOV2001
DIMENSIONS: INCHES		CHK	C. STEWART	13FEB96
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M. RUBERA	13FEB96
0 PLC	±	Tyco Electronics Corporation Harrisburg, Pa., 17105-3608		
1 PLC	± .1	NAME CABLE, NETCONNECT CAT 5e, ENHANCED, 4 UTP, 24AWG, CMP		
2 PLC	± .02	SIZE A2		
3 PLC	± .005	CAGE CODE 00779		
4 PLC	± .0005	DRAWING NO C=57825		
ANGLES	±	RESTRICTED TO		
FINISH	±	SCALE NTS		
MATERIAL		SHEET 1 OF 1		
WEIGHT		REV AL		
CUSTOMER DRAWING				