

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
EH	00		D1	REVISED PER ECO-11-005033	22MAR11	RK	HMR

CATEGORY 5e PERFORMANCE CHARACTERISTICS

FREQUENCY (MHz)	ATTENUATION (dB/100m)	NEXT (dB, WORST PR)	PSNEXT (dB)	ELFEXT (dB, WORST PR)	PSELFEXT (dB)	DELAY (ns/100m)	RL (dB)	IMPEDANCE (ohms)	ACR (dB)
	MAXIMUM	MINIMUM	MINIMUM	MINIMUM	MINIMUM	MAXIMUM	MINIMUM		MINIMUM
0.772	-	67	64	66	63	-	-	100±15	62
1.00	2.0	65	62	64	61	570	20.0	100±15	60
4.00	4.1	56	53	52	49	552	23.0	100±15	49
8.00	5.8	52	49	46	43	547	24.5	100±15	43
10.00	6.5	50	47	44	41	545	25.0	100±15	41
16.00	8.2	47	44	40	37	543	25.0	100±15	36
20.00	9.3	46	43	38	35	542	25.0	100±15	34
25.00	10.4	44	41	36	33	541	24.3	100±15	31
31.25	11.7	43	40	34	31	540	23.6	100±15	28
62.50	17.0	38	35	28	25	539	21.5	100±15	18
100.00	22.0	35	32	24	21	538	20.1	100±15	10

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)	
	MATERIAL	COPPER	5
	PLATING	BARE COPPER	
	ELONGATION	15% IN 10 IN. MIN	
INSULATION	MATERIAL	POLYETHYLENE	5
	THICKNESS	.006 NOM (Ø.032 NOM)	
INNER JACKET	MATERIAL	FR PVC	5
	THICKNESS	.025 NOM	
OUTTER JACKET	MATERIAL	UV - FG - POLYOLEFIN	5
	THICKNESS	.018 NOMINAL	

ELECTRICAL REQUIREMENTS

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

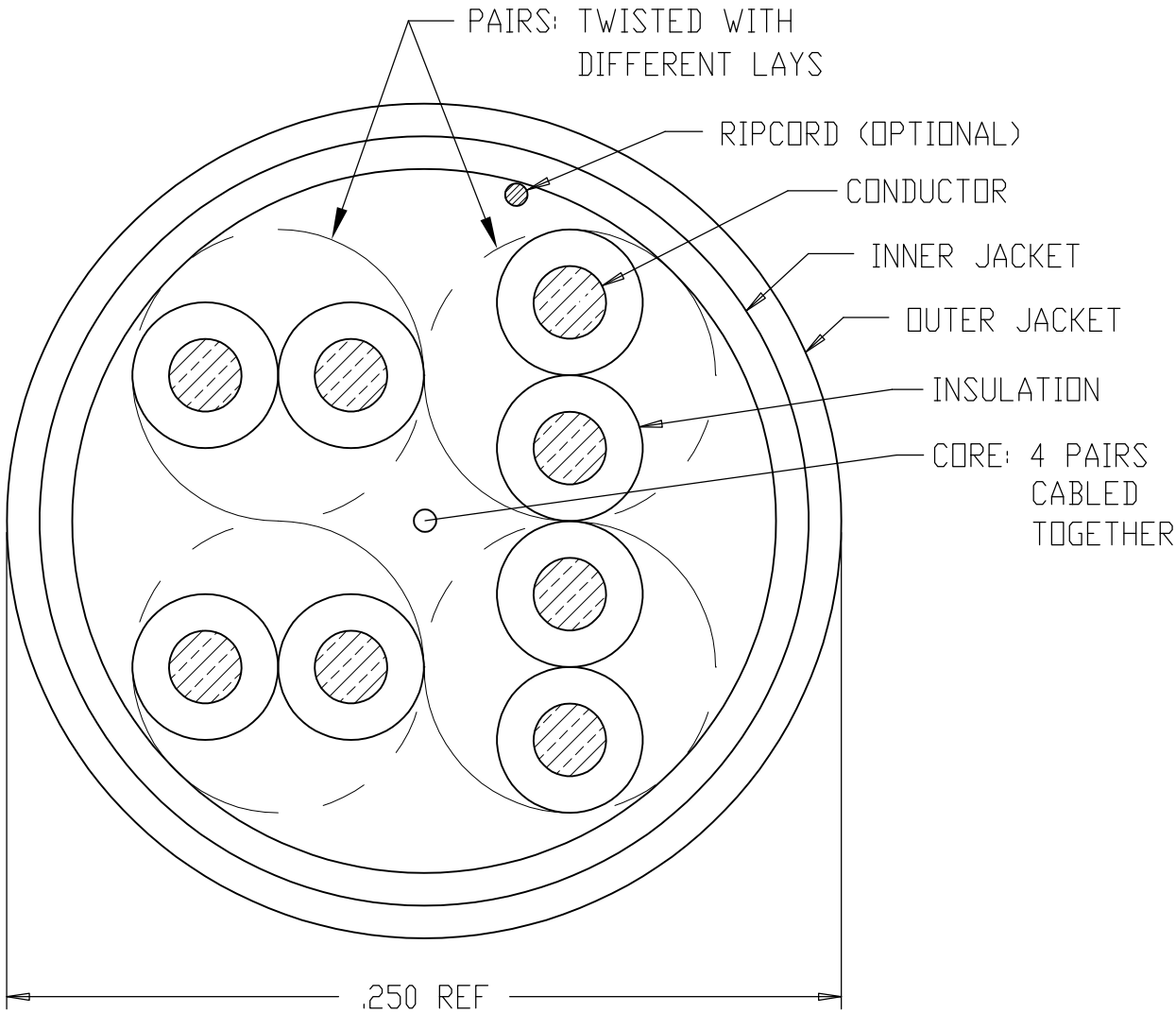
COLOR CODE

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

LEGEND TO BE REPEATED EVERY 24"

AMP NETCONNECT ETHER SEAL MODERATE NOISE CAT 5e INDUSTRIAL CABLE 4 UTP 24 AWG 75c SUN RES OIL RES II CMR c(ETL)us 2000327 [SEQUENTIAL #] FT ABCD

27734



1. GOVERNING SPECIFICATIONS: (LATEST ISSUE)
EIA/TIA 568 CATEGORY 5e
UL 444 SECTION 6. 12
UV EXPOSURE
UL 62 SECTION 59 OIL RESISTANCE II

2 JACKET MARKED PER UL444.

3 ABCD IS DATE CODE - AB YEAR
CD WEEK
EXAMPLE 9513 (PER 102-60)

4 SEQUENTIAL FOOTAGE IS RETURNED TO
ZERO FOR EACH LENGTH

5 MATERIALS ARE SELECTED BASED ON THEIR ABILITY TO
CONFORM TO UL 444 AND EIA/TIA 568, LATEST ISSUES

6 JACKET COLOR SHALL BE IN ACCORDANCE WITH
EIA 359-A WIRE AND CABLE LIMITS OR AMP
SUPPLIED COLOR STANDARD.

7 LEGEND MAY VARY PER REGULATORY REQUIREMENTS.

GRAY	1000±2%	REEL	1499447-3
COLOR 6	LENGTH (FEET)	PACKAGE	PART NUMBER
TE Connectivity			
NAME CABLE, NETCONNECT ETHER SEAL, CAT 5e, MODERATE NOISE, 4 UTP, 24 AWG, CMR			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=1499447	-
CUSTOMER DRAWING		SCALE NTS	SHEET 1 of 1
		REV	D1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN L. HALL	10NOV03
		CHK R. SPEER	10NOV03
		APVD R.SPEER	10NOV03
		PRODUCT SPEC	
		APPLICATION SPEC	
		WEIGHT	
		CUSTOMER DRAWING	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
		0 PLC	± -
		1 PLC	± -
		2 PLC	± -
		3 PLC	± -
		4 PLC	± -
		ANGLES	± -
MATERIAL		FINISH	