

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT

BY TYCO ELECTRONICS CORPORATION.

ALL INTERNATIONAL RIGHTS RESERVED.

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
	MAXIMUM	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MINIMUM	TYPICAL	MAXIMUM	MINIMUM	MINIMUM		TYPICAL
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.

COLOR CODE

PAIR

COLOR CODE

1

WHT/BLU//BLU

2

WHT/ORG//ORG

3

WHT/GRN//GRN

4

WHT/BRN//BRN

PAIRS: TWISTED WITH DIFFERENT LAYS

RIPCORD

CONDUCTOR

JACKET

INSULATION

CORE: 4 PAIRS CABLED TOGETHER

4.9mm

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

3

6

1

4

LOC

DIST

EC

00

REVISIONS

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

1

SEQUENTIAL METREAGE IS NOT RETURNED TO ZERO FOR EACH LENGTH
SEQUENTIAL METREAGE ACCURACY TO BE ± 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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH

MATERIAL

DWN
K. LEE
14DEC2009

CHK
R. CHEN
14DEC2009

APVD
R. CHEN
14DEC2009

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation
Shanghai 200233

NAME
CABLE, CAT 5E, 4 UTP, 24 AWG, CM

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=219590

RESTRICTED TO

SCALE
NTS

SHEET
1 OF 1

REV
H

1471-9 (1/08)

FG098394