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LOC

DIST

ES

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	ECR-09-016700	29JUL2009	EX	RC

CATEGORY 6 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
1	2.1	74.3	72.3	67.8	64.8	570	20.0	100±15	72.3
4	3.9	65.3	63.3	55.8	52.8	552	23.0	100±15	61.5
8	5.6	60.8	58.8	49.7	46.7	547	24.5	100±15	55.5
10	6.2	59.3	57.3	47.8	44.8	545	25.0	100±15	53.3
16	7.9	56.2	54.2	43.7	40.7	543	25.0	100±15	48.7
20	8.8	54.8	52.8	41.8	38.8	542	25.0	100±15	46.3
25	9.9	53.3	51.4	39.8	36.8	541	24.3	100±15	43.9
31.25	11.1	51.9	49.9	37.9	34.9	540	23.6	100±15	41.2
62.5	16.0	47.4	45.4	31.9	28.9	539	21.5	100±15	32.0
100	20.6	44.3	42.3	27.8	24.8	538	20.1	100±15	24.5
200	30.2	39.8	37.8	21.8	18.8	537	18.0	100±15	10.8
250	34.2	38.3	36.4	19.8	16.8	536	17.3	100±15	5.6

FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEPT 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

△ 2 △ 8

CONDUCTOR

INSULATION

FILLER

CORE: 4 PAIRS, 1 FILLER
CABLED TOGETHER

JACKET

5.60 NOM

PAIRS TWISTED WITH
DIFFERENT LAYS

勝 特 力 材 料 886-3-5753170

胜特力电子(上海) 86-21-34970699

胜特力电子(深圳) 86-755-83298787

Http://www.100y.com.tw

△ 4 △ 4 △ 4 △ 4

AMP NETCONNECT CATEGORY6 CABLE XXYY E138034 CM (UL) C(UL) 4PR 24AWG UTP ---[LENGTH] METER YYWW

LEGEND TO BE REPEATED EVERY METER

△ 1

LENGTH START AT 305 METER DOWN TO 0 METER
LENGTH MEASUREMENT ACCURACY TO BE ±1%

△ 2

INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN, BROWN AND WHITE

△ 3

JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND
CABLE LIMITS OR TYCO ELECTRONICS SUPPLIED COLOR STANDARD

△ 4

PRINT DURABILITY SHALL BE PER UL 444 SECTIONS 31.1 THRU 31.5

△ 5

PRINT COLOR SHALL BE BLACK EXCEPT WHITE ON THE BLACK JACKET

△ 6

YYWW IS DATE CODE, YY-YEAR, WW-WEEK

7.

GOVERNING SPECIFICATIONS - LATEST REVISIONS
TIA/EIA 568B
NEC 800
UL 444

△ 8

WHITE SINGLES HAVE BANDMARKS

BLUE	1000±2%	REEL BOX	2-1427071-6
GRAY	1000±2%	REEL BOX	2-1427071-4
WHITE	1000±2%	REEL BOX	2-1427071-2
YELLOW	305±2%	REEL BOX	1427071-8
RED	305±2%	REEL BOX	1427071-7
BLUE	305±2%	REEL BOX	1427071-6
ORANGE	305±2%	REEL BOX	1427071-5
GRAY	305±2%	REEL BOX	1427071-4
GREEN	305±2%	REEL BOX	1427071-3
WHITE	305±2%	REEL BOX	1427071-2
BLACK	305±2%	REEL BOX	1427071-1
COLOR △ 3	LENGTH (METER)	PACKAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

FINISH -

MATERIAL -

FINISH -

DWN ERIC XU 29JUL2009

CHK RICKY CHEN 29JUL2009

APVD RICKY CHEN 29JUL2009

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics Corporation
Shanghai, China

NAME

CABLE, CAT6, 4UTP, 24AWG, CM

SIZE A2

CAGE CODE 00779

DRAWING NO C=1427071

RESTRICTED TO -

SCALE -

SHEET 1 OF 1

REV C

1471-9 (1/08)

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