

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - By -

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

ES

00

P	LTR	DESCRIPTION	DATE	DWN	APVD
	D	ECR-11-010925	25MAY2011	JC	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 SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.

PAIRS TWISTED WITH DIFFERENT LAYS

5.60 NOM

CONDUCTOR

INSULATION

FILLER

CORE: 4 PAIRS, 1 FILLER CABLED TOGETHER

JACKET

COLOR CODE

PAIR

COLOR CODE

1

WHT/BLU//BLU

2

WHT/ORG//ORG

3

WHT/GRN//GRN

4

WHT/BRN//BRN

AMP NETCONNECT CATEGORY6 CABLE XXYE E138034 CM (UL) C(UL) 4PR 24AWG U/UTP 75C ---[LENGTH] METER YYWW

LEGEND TO BE REPEATED EVERY METER

AMP NETCONNECT CATEGORY6 CABLE XXYE E138034 CM (UL) C(UL) ANATEL 0276-06-3091 NBR 14703 4PR 24AWG U/UTP 75C ---[LENGTH] METER YYWW

LEGEND TO BE REPEATED EVERY METER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

29JUL2009

29JUL2009

29JUL2009

NAME

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

ERIC XU

RICKY CHEN

RICKY CHEN

TE Connectivity

CABLE, CAT6, 4PR, U/UTP, 24AWG, CM

A200779

C=1427071

1 of 1

REV D

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

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

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

PRINT COLOR SHALL BE BLACK EXCEPT WHITE ON THE BLACK JACKET

PRINT DURABILITY SHALL BE PER UL 444 SECTIONS 31.1 THRU 31.5

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

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

WHITE SINGLES HAVE BANDMARKS

ONLY FOR BRAZIL MARKET, DIFFERENT LEGEND ON THE JACKET.
"ANATEL 0276-06-3091" IS BRAZIL ANATEL CERTIFICATE NUMBER.
"NBR 14703" IS BRAZILIAN STANDARD NUMBER FOR CABLE

1427071

1427071-6

1427071-4

1427071-2

1427071-6

1427071-4

1427071-2

1427071-8

1427071-7

1427071-6

1427071-5

1427071-4

1427071-3

1427071-2

1427071-1

LENGTH (METER)

PACKAGE

PART NUMBER

1471-9 (3/11)