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| LOC | DIST |
|---|---|
| ES | 00 |

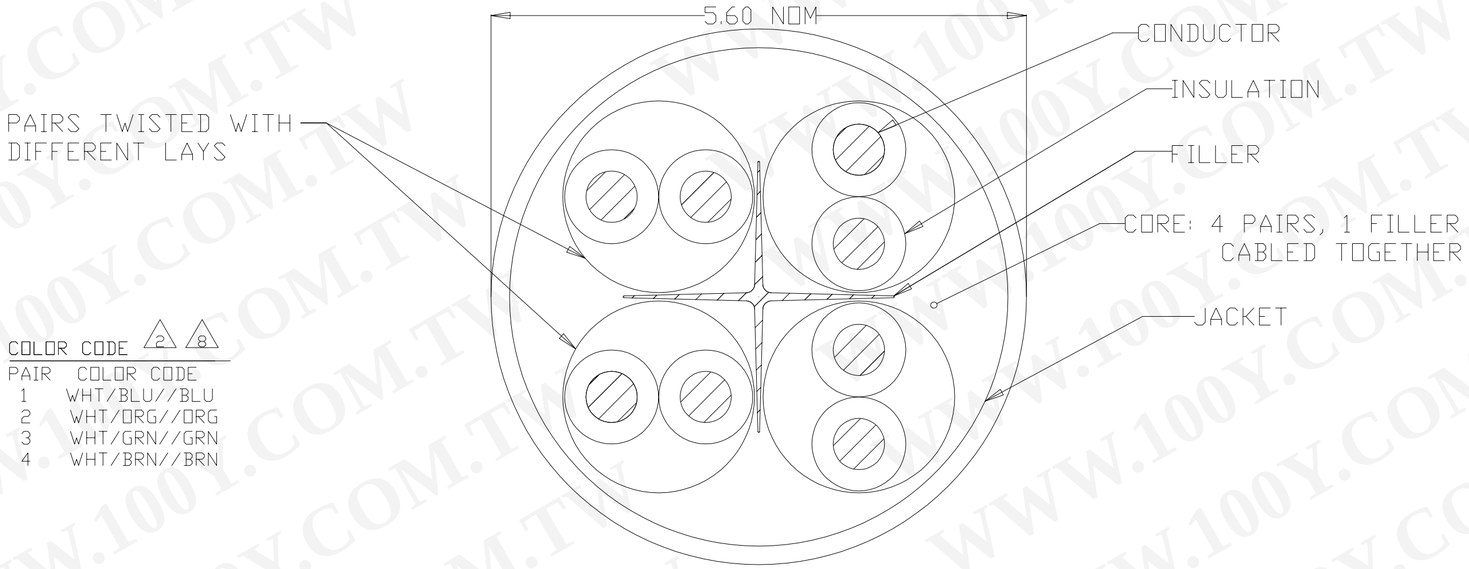
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | D1 | ECR-13-006439 | 11APR2013 | CL | AZ |

## 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 △2 △8

| PAIR | COLOR CODE |
|---|---|
| 1 | WHT/BLU//BLU |
| 2 | WHT/ORG//ORG |
| 3 | WHT/GRN//GRN |
| 4 | WHT/BRN//BRN |

△4 △5 △1 △6
AMP NETCONNECT CATEGORY6 CABLE XXYY E138034 CM (UL) C(UL) 4PR 24AWG U/UTP 75C ---[LENGTH] METER YYWW

LEGEND TO BE REPEATED EVERY METER

△4 △5 △9 △9 △1 △6
AMP NETCONNECT CATEGORY6 CABLE XXYY E138034 CM (UL) C(UL) ANATEL 0276-06-3091 NBR 14703 4PR 24AWG U/UTP 75C ---[LENGTH] METER YYWW

△9 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 TE CONNECTIVITY SUPPLIED COLOR STANDARD

△4 PRINT COLOR SHALL BE BLACK EXCEPT WHITE ON THE BLACK JACKET

△5 PRINT DURABILITY SHALL BE PER UL 444 SECTIONS 31.1 THRU 31.5

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

7. GOVERNING SPECIFICATIONS – LATEST REVISIONS
TIA/EIA 568
NEC 800
UL 444

△8 WHITE SINGLES HAVE BANDMARKS

△9 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

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

| COLOR △3 | LENGTH (METER) | PACKAGE | PART NUMBER |
|---|---|---|---|
| LIGHT GRAY | 305±1% | REEL BOX | 9-1427071-4 |
| BLUE | 305±1% | REEL BOX | 5-1427071-6 |
| GRAY | 305±1% | REEL BOX | 5-1427071-4 |
| WHITE | 305±1% | REEL BOX | 5-1427071-2 |
| BLUE | 1000±1% | REEL BOX | 2-1427071-6 |
| GRAY | 1000±1% | REEL BOX | 2-1427071-4 |
| WHITE | 1000±1% | REEL BOX | 2-1427071-2 |
| YELLOW | 305±1% | REEL BOX | 1427071-8 |
| RED | 305±1% | REEL BOX | 1427071-7 |
| BLUE | 305±1% | REEL BOX | 1427071-6 |
| ORANGE | 305±1% | REEL BOX | 1427071-5 |
| GRAY | 305±1% | REEL BOX | 1427071-4 |
| GREEN | 305±1% | REEL BOX | 1427071-3 |
| WHITE | 305±1% | REEL BOX | 1427071-2 |
| BLACK | 305±1% | REEL BOX | 1427071-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

MATERIAL –
FINISH –

| | | |
|---|---|---|
| DWN | ERIC XU | 29JUL2009 |
| CHK | RICKY CHEN | 29JUL2009 |
| APVD | RICKY CHEN | 29JUL2009 |
| PRODUCT SPEC | – | |
| APPLICATION SPEC | – | |
| WEIGHT | – | |

TE Connectivity

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

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-1427071 | – |

CUSTOMER DRAWING | SCALE – | SHEET 1 OF 1 | REV D1

1427071

1471-9 (3/11)