# CAT6A
## U/FTP Cable
## QUCAT6AU/FTP-CCA

**CNET CABLING SYSTEMS**



White/blue
White/orange
Drain wire
Al/Mylar
Jacket
White/brown
White/green
Rip-cord

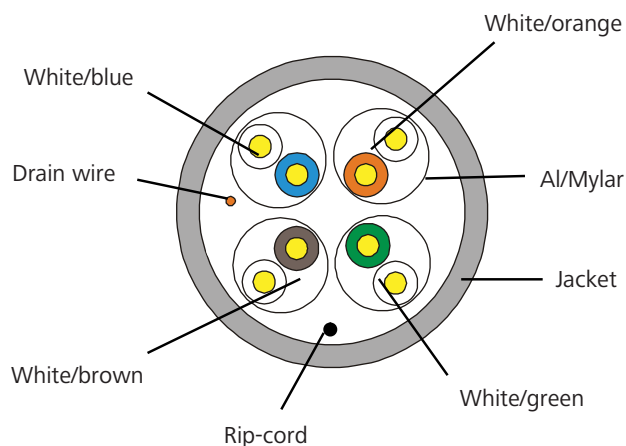## FEATURES

- CATEGORY 6A COMPONENT COMPLIANT
- LIGHTWEIGHT, COMPACT ROUND DESIGN
- CONVENTIONAL SCREENED CONSTRUCTION
- SPECIFIED TO 23AWG 500MHZ
- SUITABLE FOR 10 GIGABIT, ETHERNET APPLICATIONS
- LOW SMOKE ZERO HALOGEN OUTER SHEATH VIOLET
- COMPACT, BUT ROBUST, DESIGN
- 500MTR REELS
- 25 YEAR SYSTEM WARRANTY
- CPR – CCA

## PRODUCT OVERVIEW

CNET Category 6A U/FTP cables, and associated connectors, take the performance capabilities of copper infrastructure to new levels. Designed to the current ISO EN and TIA standards for Class EA / Category 6A performance these products are intended to deliver reliable, high network performance over permanent link distances of up to 90 metres and channels up to 100m, including applications such as 10GBASE-T, 10 Gigabit Ethernet.

## SPECIFICATION

| Category | U/FTP- CAT6A-4P-LSZH(Cca,s1,d1,a1) | | |
|---|---|---|---|
| Reference Standard | ISO/IEC11801   TIA-568-C.2 | | |
| Conductor | Material: | SOLID-Bare Copper | |
| | Nom.O.D.(mm) | 0.560 | up +0.005 |
| | | | down -0.005 |
| Insulation | Material | Skin-foam-skin PE | |
| | Diameter | 1.330±0.05 mm | |
| Screening Material | Al/Mylar | Drain wire | Yes |
| Sheath | Thickness | 0.70±0.1 mm | |
| | External O.D. | 7.5±0.5 mm | |
| | Surface | Clean | |
| | Material | LSZH (complies RoHS) | |
| | Color | TBD | |
| Surface Printing | Letter height | 3.0±0.3mm | |
| | Color | Black | |
| | Print error & Space | ≤±0.5%  1m | |
| Core Color | 1 White/Blue | 2 White/Orange | |
| | 3 White/Green | 4 White/Brown | |
| Packing | Drum | | |
| Packing length | 500m | | |
| Rip-cord | Yes | | |

## TECHNICAL PERFORMANCE (100M)

| FREQUENCY (MHz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | PHASE DELAY ≤ns | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|---|---|---|---|---|---|---|---|
| 1 | 20.0 | – | 74.3 | 570.00 | 72.3 | 67.8 | 64.8 |
| 4.0 | 23.0 | 3.8 | 65.3 | 552.00 | 63.3 | 55.8 | 52.8 |
| 8.0 | 24.5 | 5.3 | 60.8 | 547.00 | 58.8 | 49.7 | 46.7 |
| 10.0 | 25.0 | 5.9 | 59.3 | 545.00 | 57.3 | 47.8 | 44.8 |
| 16.0 | 25.0 | 7.5 | 56.2 | 543.00 | 54.2 | 43.7 | 40.7 |
| 20.0 | 25.0 | 8.4 | 54.8 | 542.00 | 52.8 | 41.8 | 38.8 |
| 25.0 | 24.3 | 9.4 | 53.3 | 541.00 | 51.3 | 39.8 | 36.8 |
| 31.25 | 23.6 | 10.5 | 51.9 | 540.00 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.0 | 47.4 | 539.00 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.1 | 44.3 | 538.00 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 27.6 | 39.8 | 537.00 | 37.8 | 21.8 | 18.8 |
| 250 | 17.3 | 31.1 | 38.3 | 536.00 | 36.3 | 19.8 | 16.8 |
| 300 | 16.8 | 34.3 | 37.1 | 536.00 | 35.1 | 18.3 | 15.3 |
| 400 | 15.9 | 40.1 | 35.3 | 536.00 | 33.3 | 15.8 | 12.8 |
| 500 | 15.2 | 45.3 | 33.8 | 536.00 | 31.8 | 13.8 | 10.8 |

## TYPICAL APPLICATIONS

- 10GBASE-T 10 Gbit/s Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- Composite Video

## PART NUMBER INFORMATION

| PART NO. | DESCRIPTION |
|---|---|
| QUCAT6AU/FTP-CCA | CNET CAT6A U/FTP LSZH 4PR VIOLET CABLE 500MTR REEL CCA RATED |

## SYSTEM WARRANTY

The CNET Cabling System Warranty provides a 25 year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed.

The warranty may be applied for by a registered approved CNET (AI) Associated Installer who has designed, supplied and installed the relevant system.

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