

Internal/External Cat6 Unscreened Twisted Pair (U/UTP) Cable LSZH-UV RATED-DCA



FEATURES

25 YEAR SYSTEM WARRANTY

LSZH-UV

FAST FEED REELEX PACKAGING

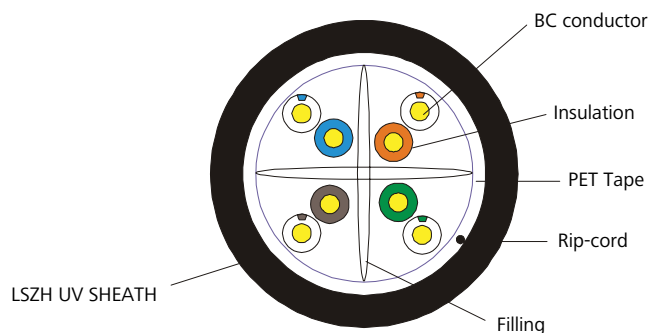
CATEGORY 6 COMPLIANT:
TIA-568C.2; EN50173-1; ISO/IEC 11801

EC VERIFIED

24AWG CONDUCTOR

'305-0' METRE MARKED

Dca,s2,d2,a1



PRODUCT OVERVIEW

CNET Category 6 UTP cables are manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/IEC 11801 Category 6 specifications. Each cable consists of 8 colour coded 24AWG polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs are then formed around a central 'X' shaped polyethylene filler. This filler assists in maintaining and enhancing the cables performance.

The printing detail along the outer sheath includes the cable part code, specification detail and our new 305 to 0 metre marked system. As the cable is dispensed from the sequential marking counts down from 305 to 0 metres, as well as reducing waste and accounting easily for cables installed, this innovative print legend finally removes the guesswork from assessing the amount of cable remaining in partly used boxes.

SPECIFICATION

| | |
|---------------------------------------|--|
| Overall Diameter | 6.1mm |
| Installation Temperature Range | -30°C to +50°C |
| Nominal Velocity of Propagation (NVP) | 69% |
| Bend Radius | 4 x overall diameter installed, 8x during installation |
| Cable weight | 13KGS/100m |
| 305m Reel Weight | 13KGS (inc. box) |
| Box Dimensions | 270mm wide x 330mm high x 320mm deep |
| Material | LSZH (Complies with RoHS) UV Resistant |
| Cable jacket tested to | Dca,s2,d2,a1 |
| Impedance | 100 ± 15 Ω |

PERFORMANCE OVERVIEW

CNET Category 6 cables are manufactured and tested to the Category 6 performance standards defined by the TIA, ISO and EN standards bodies. A range of performance characteristics are tested up to 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed. Actual performance far exceeds the required standard – when tested in isolation and in circuit – resulting in significant headroom for even the most demanding of applications.

As well as providing link and channel compliance with the aforementioned specification – when installed with CNET category 6 components – the cable is also backward compatible with Category 5 and 5e components.

TECHNICAL PERFORMANCE (100M)

| FREQUENCY (MHz) | RL ≥dB | ATT(20°C) ≤dB | NEXT ≥dB | PHASE DELAY ≤ns | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|-----------------|--------|---------------|----------|-----------------|------------|------------|--------------|
| 1 | 20.0 | 2.03 | 74.3 | 570.00 | 72.3 | 67.8 | 64.8 |
| 4.0 | 23.0 | 3.78 | 65.3 | 552.00 | 63.3 | 55.8 | 52.8 |
| 8.0 | 24.5 | 5.32 | 60.8 | 546.73 | 58.8 | 49.7 | 46.7 |
| 10.0 | 25.0 | 5.95 | 59.3 | 545.38 | 57.3 | 47.8 | 44.8 |
| 16.0 | 25.0 | 7.55 | 56.2 | 543.00 | 54.2 | 43.7 | 40.7 |
| 20.0 | 25.0 | 8.47 | 54.8 | 542.05 | 52.8 | 41.8 | 38.8 |
| 25.0 | 24.3 | 9.51 | 53.3 | 541.20 | 41.3 | 39.8 | 36.8 |
| 31.25 | 23.6 | 10.67 | 51.9 | 540.44 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.38 | 47.7 | 538.55 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.80 | 44.3 | 537.60 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 28.98 | 39.8 | 536.54 | 37.8 | 21.8 | 18.8 |
| 250 | 17.3 | 32.85 | 38.3 | 536.27 | 36.3 | 19.8 | 16.8 |

TYPICAL APPLICATIONS

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 622 Mbps ATM
- 155 Mbps ATM
- Composite Video

PART NUMBER INFORMATION

| PART NO. | DESCRIPTION |
|------------------|--|
| QUCAT6UV-INT-EXT | Category 6 Unscreened (U/UTP) Cable LSZH-UV 305M Box |

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.

