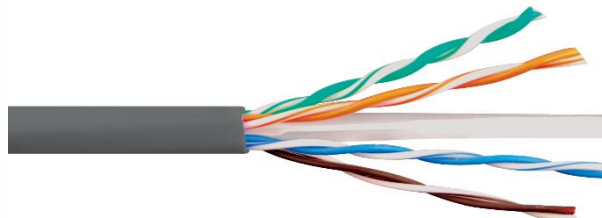


SuperiOrtec Category 6 U/UTP, 4-pair, 23AWG Cable is tested over 350MHz and designed for applications demanding high bandwidth and reliable transmission. Engineered with the state of the art design, this cable is the perfect transmission medium for Voice, Video and High Speed Data Transmission. Its features a separator to lower crosstalk at each point along the full length of cable. It comes in different variety of outer jacket: (PVC, Low Smoke Zero Halogen (LSZH) and Outdoor PE.



APPLICATIONS

| | | | |
|----------------|---------------------------------|-----------|--------------------------|
| Access Network | Gigabit Ethernet 1000Base-TX | IP / CCTV | Access Control |
| Broadband | IPTV | Voice | Fast Ethernet 100Base-TX |

FEATURES

Low Attenuation & Crosstalk

Flexible for installation in conduits, on cable trays and under raised floor

Easy to Terminate

Color Coded Pair Identification

STANDARD COMPLIANCE

ANSI / TIA / 568B.2

ISO / IEC / 11801

ETL & UL Verified

CABLE CONSTRUCTIONS

| | |
|-------------------------------|--------|
| Conductor Materials | Copper |
| Conductor Diameter | 0.56mm |
| Insulation Material | HDPE |
| Insulation Thickness | 0.20mm |
| Insulation Diameter (Approx.) | 0.96 |
| Pairs Count | 4 |
| Sheath Material | PVC |
| Sheath Thickness | 0.5mm |
| Sheath Diameter (Approx.) | 6.3mm |

ELECTRICAL SPECIFICATIONS at 20°C

| | |
|---|--------|
| Impedance (Ω) | 100±15 |
| Capacitance Max. (pF/M) | 56 |
| Resistance Unbalance Max. (%) | 5 |
| Cap. Unbalance to Ground Max. (pF/100m) | 330 |

ENVIRONMENTAL SPECIFICATION

| | |
|--------------------------------|---------------|
| Storage Temperature | Indoor 40°C |
| Operating Temperature Range | -20°C ~ +70°C |
| Installation Temperature Range | -10°C ~ +60°C |

TRANSMISSION PERFORMANCE

| Frequency MHz | Insertion Loss per 100m | Next Pair-to-Pair | Next Power Sum | ELFEXT Pair-to-Pair | ELFEXT Power Sum | ACR Pair-to-Pair | ACR Power Sum | Return Loss Solid |
|---------------|-------------------------|-------------------|----------------|---------------------|------------------|------------------|---------------|-------------------|
| 1 | 2.0 | 74.3 | 72.3 | 67.8 | 64.8 | 72.3 | 70.3 | 20.0 |
| 4 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 61.5 | 59.5 | 24.5 |
| 8 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 55.5 | 53.5 | 24.5 |
| 10 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 53.3 | 51.3 | 25.0 |
| 16 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 48.6 | 46.6 | 25.0 |
| 20 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 46.3 | 44.3 | 25.0 |
| 25 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 43.8 | 41.8 | 24.3 |
| 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 41.2 | 39.2 | 23.6 |
| 62.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 32.0 | 30.0 | 21.5 |
| 100 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 24.5 | 22.5 | 20.1 |
| 200 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 10.8 | 8.8 | 18.0 |
| 250 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 5.5 | 3.5 | 17.3 |

ORDERING INFORMATION

| | |
|------------------|---|
| CL004C60U/UTP-CM | Superior tec Cat6 UTP 4Pairs, 23AWG, PVC Cable |
| CL004C60U/UTP-LS | Superior tec Cat6 UTP 4Pairs, 23AWG, LSZH Cable |
| CL004C60U/UTP-PE | Superior tec Cat6 UTP 4Pairs, 23AWG, Outdoor PE Cable |