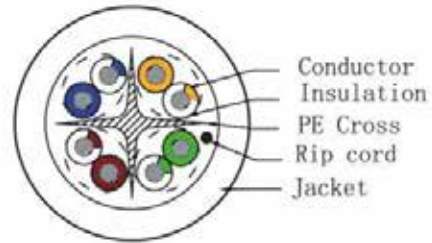


Cat6 UTP Lan Cable



Specification:

- ◆ Structure: 4P+F Twisted Pair
- ◆ Conductor: Solid or stranded bare copper
- ◆ Insulation: HD-PE
- ◆ Jacket: PVC or LSZH
- ◆ Rated Temperature: 75°C
- ◆ Impedance: $100 \pm 15\% \Omega$
- ◆ Frequency: 250MHz
- ◆ Reference Standard: YD/T1019-2001、ISO/IEC 11801、ANSI/TIA/EIA-568B、UL444
- ◆ Flame Retardancy Standard: CM、CMR

Order Information:

| 型号 Model | 名称 Name | 导体 Conductor | | 标称外径 Nominal OD (mm) | 20°C时导体电阻 (Ω /km, 不大于) Conductor Resistance in 20°C ($\leq \Omega$ /km) | 包装长度 Package | 颜色 Color |
|-------------|------------|-----------------|--|----------------------------|---|-----------------|----------------|
| | | 美国线规 AWG | 根数/直径(mm) Core Number/ diameter(mm) | | | | |
| 601 | CAT.6 UTP | 24AWG | 1/0.50 | 5.8 | 93 | 305米/箱(m/box) | 可选 Optional |
| 701 | CAT.6 UTP | 24AWG | 1/0.52 | 6.0 | 86.2 | 305米/箱(m/box) | 可选 Optional |
| 801 | CAT.6 UTP | 23AWG | 1/0.56 | 6.20 | 74.3 | 305米/箱(m/box) | 可选 Optional |
| 901 | CAT.6 UTP | 23AWG | 1/0.574 | 6.4 | 70.08 | 305米/箱(m/box) | 可选 Optional |
| 111 | CAT.6 UTP | 23AWG | 1/0.58 | 6.4 | 68.05 | 305米/箱(m/box) | 可选 Optional |

Cabling Standards Meet:

10BASE-T、100BASE-TX、100BASE-T4、1000BASE-T
The effective bandwidth of data layer is 1Gbit/s, the maximum transmission distance is 100 meters.
Cross isolation structure effectively avoid the crosstalk between each pair of the cable.

Application:

Mainly used in the wiring system between work area correspondence leading-out terminal and distribution wiring frames connection. As well as used in the housing synthesis wiring system between user correspondence leading out terminal and patch panel

Specifications

| TOUGHcable CARRIER Specifications | | |
|-----------------------------------|---------------------------------|--------------------------------|
| Level 2 Shielding Protection | Cable | CAT5e, Shielded |
| | Ethernet Support | Up to 1 Gbps |
| | Conductor Wire Gauge | 24 AWG |
| | Conductor | Solid Bare Copper |
| | Conductor Diameter | 0.500 ± 0.005 mm |
| | Insulation Type | Solid PE |
| | Insulation Thickness | Avg. 0.295 mm Min. 0.29 mm |
| | Insulation Diameter | 1.16 ± 0.02 mm |
| | Separation (Polyester Wrapping) | Thick: 0.025 mm, Extent: 20 mm |
| | Anti-Crosstalk Divider | LDPE: 4.2*0.3 mm |
| | Cable Shield (Aluminum Foil) | Thick: 0.060 mm, Extent: 20 mm |
| | ESD Drain Wire | 0.4 TC |
| | Rip Cord | Yes |
| | Secondary Cable Shield (Braid) | 16*8*0.16AA Density: 95% |
| | Jacket Material | PE |
| | Jacket Thickness | Avg. 0.52 mm Min. 0.46 mm |
| | Jacket Outer Diameter | 6.8 ± 0.30 mm |
| | Jacket Color | Black |
| | Reference Standard | ISO/IEC 11801, TIA/EIA568B.2 |
| | Installation Temperature | -20 to 60° C (-4 to 140° F) |
| Storage Temperature | -30 to 75° C (-22 to 167° F) | |
| Operation Temperature | -40 to 80° C (-40 to 176° F) | |

| CARRIER Performance | | | | | |
|---------------------|--------------|------------------------|------------------|----------|----------------------------|
| Frequency (MHz) | RL (dB) mín. | Attenuation (dB/100 m) | NEXT/PSNEXT (dB) | ACR (dB) | ELFEXT/PSELFEXT (dB/100 m) |
| 1 | 18.0 | 1.93 | 65.30 | 60.30 | 61.00 |
| 4 | 19.9 | 3.90 | 56.27 | 49.20 | 48.96 |
| 8 | 20.7 | 5.50 | 51.75 | 43.00 | 42.94 |
| 10 | 21.0 | 6.30 | 50.30 | 40.80 | 41.00 |
| 16 | 21.0 | 8.00 | 47.24 | 36.10 | 36.92 |
| 20 | 21.0 | 9.00 | 45.78 | 33.50 | 34.98 |
| 25 | 20.3 | 10.20 | 44.33 | 30.90 | 33.04 |
| 31.25 | 19.5 | 11.50 | 42.88 | 28.20 | 31.10 |
| 62.5 | 19.0 | 16.70 | 38.36 | 18.40 | 25.08 |
| 100 | 18.3 | 21.70 | 35.30 | 10.30 | 21.00 |
| 200 | 16.5 | 32.20 | 30.78/27.78 | 7.60 | 17.78/14.98 |

