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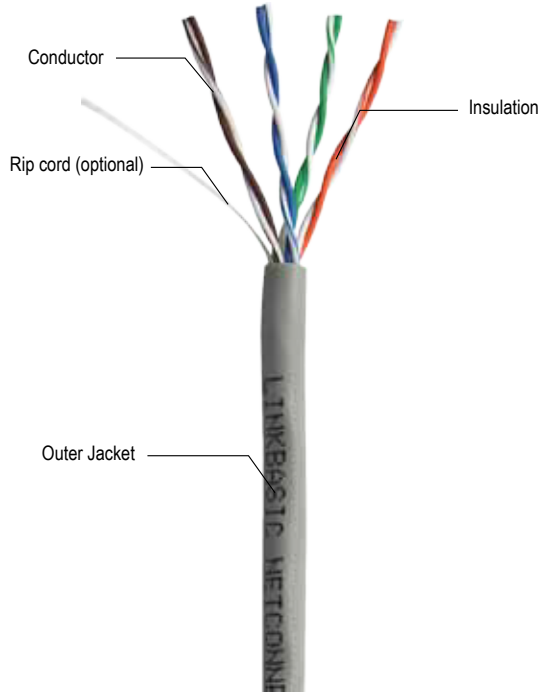
CAT 5E UTP SYSTEM PRODUCTS

CAT 5E UTP SOLID CABLE

P/N: CLA04-UC5E

S/N: C06-001

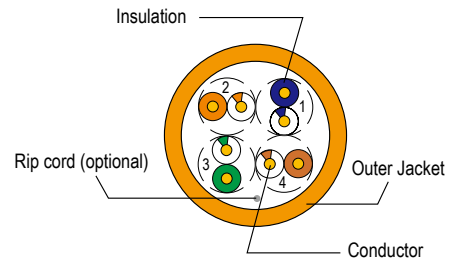
P/N: CLA04-UC5E



SOLID CABLE,CAT5E,UTP,4pairs, 24AWG,1000feet



Product picture



Cross section

P/N: CLA04-UC5E

DESCRIPTION

- Rated temperature:70℃
- Reference standard:UL Subject 444, EIA/TIA 568B.2-10 & ISO/IEC 11801
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel,Reel in Box

APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 155Mbps ATM
- 622Mbps ATM

CONSTRUCTION

| | | |
|--------------|--|--|
| Structure | Construction | U/UTP |
| | Number of Pairs | 4 Pair |
| | AWG | 24AWG |
| | Conductor Dimension (mm) | 0.50(24AWG) |
| Insulation | Solid or Stranded; Bare or Tinned | Solid Bare Copper |
| | insulation material | HDPE |
| | Insulation Dimension (mm) | 0.88 |
| | Number Colour (Ring or Strip marking) | 1.White/Blue(Ring) & Blue 2.White/Orange(Nng) & Orange 3.White/Gem(Rhg) & Green 4.White/Brown(Ping) & Btuwn |
| Shield | Cross Filler | No |
| | IndividualSinield & Material | No |
| | Outer Shield & Material | No |
| Outer Jacket | Drain Wire | No |
| | Outer Jacket Material | PVC or LSZH |
| | Outer Jacket Ripcord | Based On Customer Requirements |
| | Overall Nominal Diameter (mm) | 24AWG UTP nom:4.8mm |

CAT 5E UTP SOLID CABLE

Copper solution



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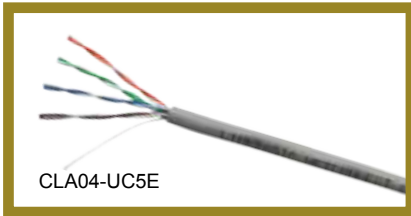
CAT 5E UTP SOLID CABLE P/N: CLA04-UC5E

ELECTRICAL CHARACTERISTICS

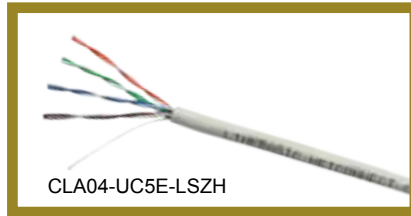
| | |
|--|---|
| Max. Mutual Capacitance @ kHz | ≤5.6 nF/100M |
| Max. Capacitance unbalance (pF/ 100m) | ≤330pF /100M(Per TIA/EIA-568B.2) ≤160pF /100M(Per IEC 61156) |
| Nominal Velocity of Propagation | 65% |
| Max. Delay Skew (ns/100m) | ≤45ns/100M |
| Max. Conductor DC Resistance @ 20 Deg. C | 9.38Ω /100M (23AWG) |
| Max. DC Resistance unbalance @ 20 Deg. C | ≤5%(per TIA/EIA-568B.2) ≤2%(per IEC 61156-5) |
| Min. insulation Resistance (MΩ/ k m) | 5000 |
| Max. Operating Voltage-UL | 300V |

MECHANICAL CHARACTERISTICS

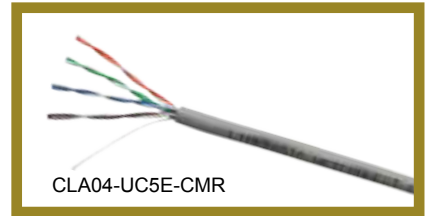
| | |
|----------------------------------|----------|
| Operating Temp. Range | -20~70°C |
| Max. Recommended Pulling Tension | 110N |
| Min. Bend Radius (Install) | 4 x O.D. |
| Flame Test | CMR |



Cat 5E UTP solid cable
RAL 7004



Cat 5E UTP solid cable(LSZH)
RAL 7035



Cat 5E UTP solid cable(CMR)
RAL 7004

TIA/EIA 568-B.2 ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | Input Impedance (Ohms) | ATT (DB/100m) | RL (Db) | NEXT (Db) | PSNEXT (Db) | ELFEXT (Db/100m) | PSELFEXT (Db/100m) | PD (Ns/100m) | SKEW (Ns/100m) | Hybrid PSNext (db Min) |
|-----------------|------------------------|---------------|---------|-----------|-------------|------------------|--------------------|--------------|----------------|------------------------|
| 0.772 | 100±15 | 1.8 | 19.4 | 67.0 | 64.0 | 66.0 | 63.0 | 575 | 45 | 65.0 |
| 1 | 100±15 | 2.0 | 20.0 | 65.3 | 62.3 | 63.8 | 60.8 | 570 | 45 | 65.0 |
| 4 | 100±15 | 4.1 | 23.0 | 56.3 | 53.3 | 51.7 | 48.8 | 552 | 45 | 59.3 |
| 8 | 100±15 | 5.8 | 24.5 | 51.8 | 48.8 | 45.7 | 42.7 | 547 | 45 | 54.8 |
| 10 | 100±15 | 6.5 | 25.0 | 50.3 | 47.3 | 43.8 | 40.8 | 545 | 45 | 53.3 |
| 16 | 100±15 | 8.2 | 25.0 | 47.2 | 44.2 | 39.7 | 36.7 | 543 | 45 | 50.2 |
| 20 | 100±15 | 9.3 | 25.0 | 45.8 | 42.8 | 37.7 | 34.7 | 542 | 45 | 48.8 |
| 25 | 100±15 | 10.4 | 24.3 | 44.3 | 41.3 | 35.8 | 32.8 | 541 | 45 | 47.3 |
| 31.25 | 100±15 | 11.7 | 23.6 | 42.9 | 39.9 | 33.9 | 30.9 | 540 | 45 | 45.9 |
| 62.5 | 100±15 | 17.0 | 21.5 | 38.4 | 35.4 | 27.8 | 24.8 | 539 | 45 | 41.4 |
| 100 | 100±15 | 22.0 | 20.1 | 35.3 | 32.3 | 23.8 | 20.8 | 538 | 45 | 38.3 |

ORDER INFORMATION

| Part number | Description | AWG | Standard color | packing Type | Carton | Carton measurement | Carton weight |
|-----------------|------------------------|-------|----------------|--------------|--------------|----------------------------|---------------|
| CLA04-UC5E | Cat 5e UTP Solid Cable | 24AWG | RAL7004 | Box | 305m(1000ft) | L35.5cm× W32.5cm × H35.5cm | 9.40KG |
| CLA04-UC5E-CMR | Cat 5e UTP Solid Cable | 24AWG | RAL7004 | Box | 305m(1000ft) | L35.5cm× W32.5cm × H35.5cm | 9.40KG |
| CLA04-UC5E-LSZH | Cat 5e UTP Solid Cable | 24AWG | RAL7035 | Box | 305m(1000ft) | L35.5cm× W32.5cm × H35.5cm | 9.10KG |



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