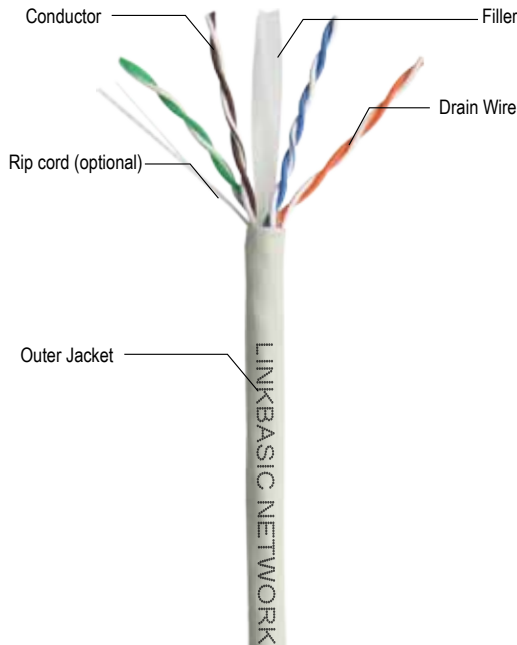


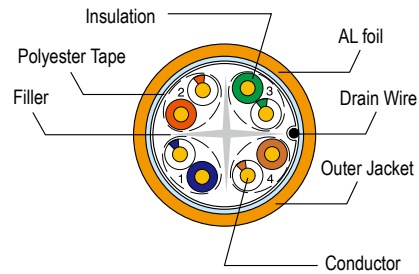
## CAT 6A UTP SOLID CABLE

P/N:CLA04-UC6A

P/N: CLA04-UC6A



Product picture



Cross section

P/N: CLA04-SC6

### DESCRIPTION

- Rated temperature:70°C
- Reference standard:UL Subject 444, EIA/TIA 568B, 2-1& ISO/IEC 11801, IEC 61163
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Paclaging: Reel,Reel in Box

### APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

### MECHANICAL CHARACTERISTICS

|                                  |          |
|----------------------------------|----------|
| Operating Temp. Range            | -20~70°C |
| Max. Recommended Pulling Tension | 110N     |
| Min. Bend Radius (Install)       | 8 x O.D. |
| Flame Test                       | CMR      |

### CONSTRUCTION

| Structure    | Construction                          | FTP  |
|--------------|---------------------------------------|--|
|              | Number of Pairs                       | 4 Pair   |
|              | AWG                                   | 23AWG  |
|              | Conductor Dimension (mm)              | 0.575  |
|              | Solid or Stranded; Bare or Tinned     | Solid Bare Copper  |
| Insulation   | insulation material                   | HDPE   |
|              | Insulation Dimension [mm]             | 1.15   |
|              | Number Colour (Ring or Strip marking) | 1.White/Blue(Ring) & Blue<br>2.White/Orange(Nng) & Orange<br>3.White/Gem(Rhg) & Green<br>4.White/Brown(Ping) & Btuwn |
|              | Cross Filler                          | Yes  |
| Shield       | IndividualSinield & Material          | No   |
|              | Outer Shield & Material               | Yes (AL Foil)  |
|              | Drain Wire                            | Yes (Tinned Copper)  |
| Outer Jacket | Outer Jacket Material                 | PVC or LSZH  |
|              | Outer Jacket Ripcord                  | Based On Customer Requirements   |
|              | Overall Nominal Diameter (mm)         | 7.2 ± 0.3  |

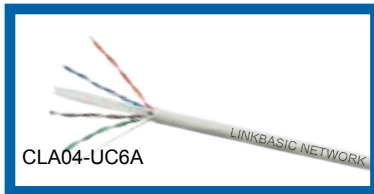


## CAT 6A UTP SOLID CABLE

P/N:CLA04-UC6A

## ELECTRICAL CHARACTERISTICS

|  |                                  |
|--|----------------------------------|
| Max. Mutual Capacitance @ kHz            | ≤5.6 nF/100M                     |
| Max. Capacitance unbalance (pF/ 100m)    | ≤330pF /100M(Per TIA/EIA-568B.2) |
| Nominal Velocity of Propagation          | ≤160pF /100M(Per IEC 61156)      |
| Max. Delay Skew (ns/100m)                | 65%                              |
| Max. Conductor DC Resistance @ 20 Deg. C | ≤45ns/100M                       |
| Max. DC Resistance unbalance @ 20 Deg. C | 7.32Ω /100M (23AWG)              |
| Mni. Insulation Resistance (MΩ/ k m)     | ≤5%(per TIA/EIA-568B.2)          |
| Max. Operating Voltage-UL                | ≤2%(per IEC 61156-5)             |
|  | 5000                             |
|  | 300V                             |



CLA04-UC6A  
Cat 6A UTP solid cable  
RAL 7035



CLA04-UC6A-LSZH  
Cat 6A UTP solid cable  
RAL 7035



CLA04-UC6A-CMR  
Cat 6A UTP solid cable  
RAL 7035

## 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) | TCL (Db) | DELAY (Ns/100m) | PSANEXT (Db) | PSACCRF (Db) |
|-----------------|------------------------|---------------|---------|-----------|-------------|------------------|--------------------|----------|-----------------|--------------|--------------|
| 16              | 100±15                 | 7.5           | 20      | 54.2      | 54.2        | 43.7             | 40.7               | 38.0     | 543.0           | 67.0         | 54.1         |
| 20              | 100±15                 | 8.4           | 20      | 52.8      | 52.8        | 41.8             | 38.8               | 37.0     | 542.0           | 67.0         | 52.2         |
| 31.25           | 100±15                 | 10.5          | 18.6    | 50        | 49.0        | 37.9             | 34.9               | 35.1     | 540.4           | 67.0         | 48.3         |
| 125             | 100±20                 | 21.5          | 14.4    | 40.8      | 40.8        | 25.9             | 22.9               | 29.0     | 537.2           | 61.0         | 36.3         |
| 250             | 100±22                 | 31.1          | 12.3    | 36.3      | 36.3        | 19.8             | 16.8               | 26.0     | 536.3           | 56.5         | 30.2         |
| 300             | 100±25                 | 34.3          | 11.8    | 35.1      | 35.1        | 18.3             | 15.3               | 25.2     | 536.1           | 55.3         | 28.7         |
| 400             | 100±25                 | 40.1          | 10.9    | 33.3      | 33.3        | 15.8             | 12.8               | 24.0     | 535.8           | 53.5         | 26.2         |

## ORDER INFORMATION

| Part number     | Description            | AWG   | Standard color | Packing Type | Carton       | Carton measurement | Carton weight |
|-----------------|------------------------|-------|----------------|--------------|--------------|--------------------|---------------|
| CLA04-UC6A      | Cat 6A UTP solid cable | 23AWG | RAL7035        | Reel         | 305m(1000ft) | Φ38cm × H27.5cm    | 16.30KG       |
| CLA04-UC6A-CMR  | Cat 6A UTP solid cable | 23AWG | RAL7035        | Reel         | 305m(1000ft) | Φ38cm × H27.5cm    | 16.30KG       |
| CLA04-UC6A-LSZH | Cat 6A UTP solid cable | 23AWG | RAL7035        | Reel         | 305m(1000ft) | Φ38cm × H27.5cm    | 16.00KG       |

