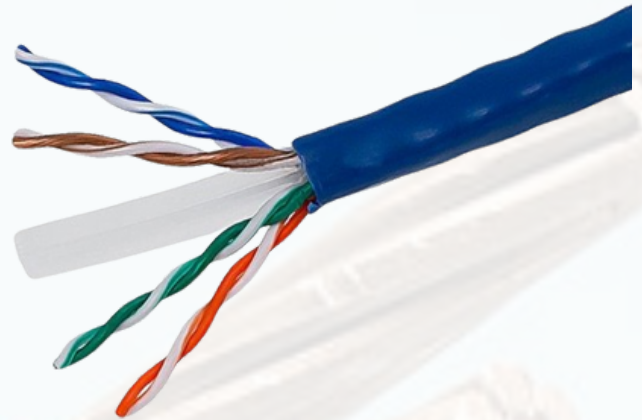
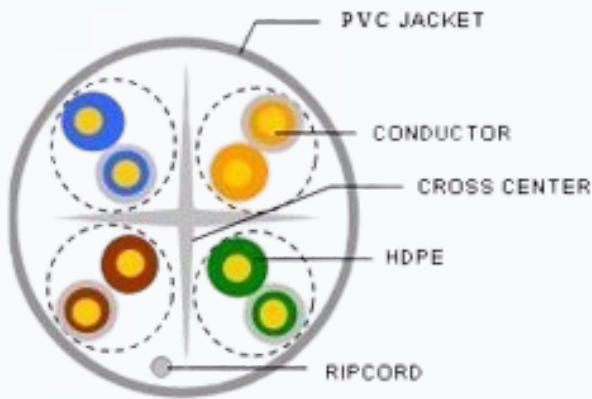


CAT6 UTP CU



Communications Cable 4/23AWG CAT 6 UTP Verified to TIA/EIA 568B.2 & ISO/IEC 11801 001-305M

Product & Specification

CABLE STRUCTURE

- Type: 4P
- Conductor: Bare Copper ($4 \times 2 \times 0.56\text{mm} \pm 0.015$)
- Work Datapss: 180MHz–200MHz
- Insulation Material: HDPE
- PE OD: $\varnothing 1.02 \pm 0.05\text{mm}$
- Paired Pitch:
 - Blue/Blue & White: 12mm
 - Orange/Orange & White: 16mm
 - Green/Green & White: 14mm
 - Brown/Brown & White: 18mm
- Ripcord: Nylon
- Shielding: None (UTP)
- Package: 305m/Box
- Cross Center: Polyethylene (LSZH)
- Color: Light Blue
- Jacket: PVC
- PVC OD: $6.1\text{mm} \pm 0.2\text{mm}$
- PVC Thickness: $0.56 \pm 0.02\text{mm}$
- Serface: Smooth

APPLICATION:

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 100 BASE-TX Fast Ethernet
- 155 Mbit ATM
- 625 Mbit ATM
- 1.2 Gbit ATM

Frequency	Attenuation	NEXT	Ps-NEXT	ELFEXT	Ps-ELFEXT	Return Loss
1MHz	1.9 dB/100m	72 dB	69 dB	68 dB	65 dB	20 dB
10MHz	5,9 dB/100m	65 dB	62 dB	53 dB	50 dB	23 dB
16MHz	7,5 dB/100m	61 dB	58 dB	48 dB	45 dB	26 dB
25MHz	9,3 dB/100m	55 dB	52 dB	45 dB	42 dB	25 dB
40MHz	12,1 dB/100m	53 dB	50 dB	42 dB	39 dB	23 dB
60MHz	14,8 dB/100m	52 dB	49 dB	35 dB	32 dB	22 dB
100MHz	19,3 dB/100m	50 dB	47 dB	31 dB	28 dB	22 dB
150MHz	23,6 dB/100m	43 dB	40 dB	28 dB	25 dB	19 dB
200MHz	27,5 dB/100m	40 dB	37 dB	24 dB	21 dB	18 dB
250MHz	30,6 dB/100m	38 dB	35 dB	21 dB	18 dB	18 dB

PERFORMANCE

- Conductor Resistance: $\leq 7.2\Omega/100\text{m}$ @ 20°C
- Allowable Current: 0.5A
- Voltage Rating: $< 30\text{V}$
- Operating Temperature: -20°C to $+75^{\circ}\text{C}$

