

Model: ATZ UTPCAT6.xxM.XX

xx=Length

XX=Color: GY:Grey/BK:Black/BL:Blue/GR:Green/RD:Red/YE:Yellow/WH:White/OR:Orange

Description: CAT.6 UTP LSZH Stranded Patchcord



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Overview

- Bandwidth: 250MHz
- OD: 6.0mm
- Conductor: 24AWG
- Approvals: RoHS
- Connector: 50U" gold plated RJ45 connector

Physical Characteristics

- Cable Type – CAT6 UTP
- Connector Type(s) – RJ45
- Wiring Scheme – T568B
- Temperature Rating – -20°C to +75°C
- Voltage Rating – 30V

Conductor (Qty. 4 twisted pair)

- Conductor Type – 24AWG(7/0.192mm), Stranded Bare Copper
- Insulation – HDPE
- Diameter – 0.97±0.05mm
- Pair Identification:
 - Pair1=Orange, Orange-White
 - Pair2=Blue, Blue-White
 - Pair3=Green, Green-White
 - Pair4=Brown, Brown-White

Connector Type (Qty. 2)

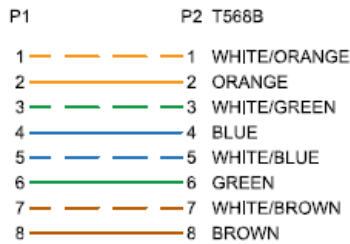
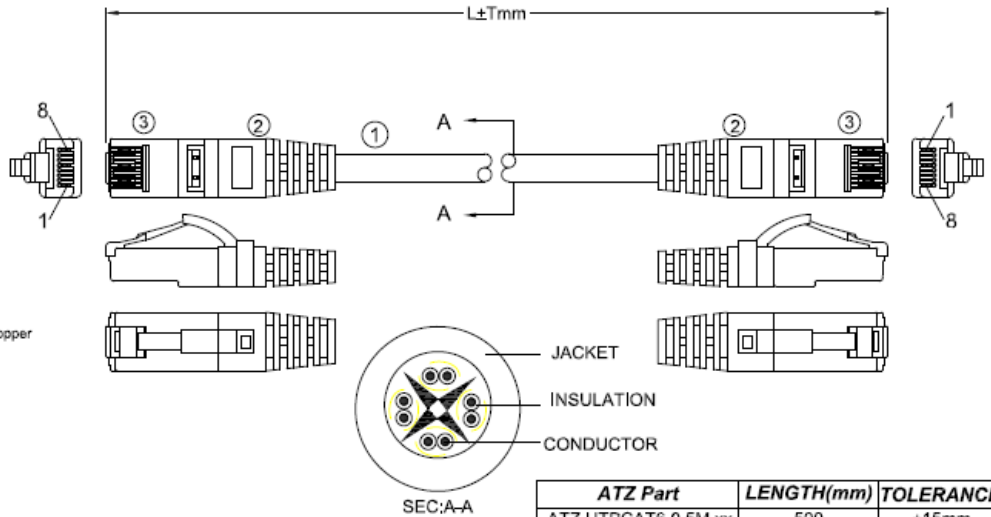
- Connector Type – 8P8C (RJ45)
- Gender – Male
- Connector Material – PC
- Contact Material – Copper Alloy, Gold Plating 50U"
- Hood Material – Molded PVC

Overall Cable

- Jacket – LSZH
- Minimum Average Thickness – 0.55mm
- Outer Diameter – 6.0± 0.15mm

Electrical Characteristics

- Conductor DC Resistance – 9.5Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5690pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel TEST



ATZ Part	LENGTH(mm)	TOLERANCE
ATZ UTPCAT6.0.5M,xx	500	±15mm
ATZ UTPCAT6.1M,xx	1000	±20mm
ATZ UTPCAT6.2M,xx	2000	±30mm
ATZ UTPCAT6.3M,xx	3000	±30mm
ATZ UTPCAT6.5M,xx	5000	±60mm
ATZ UTPCAT6.10M,xx	10000	±80mm
ATZ UTPCAT6.15M,xx	15000	±80mm
ATZ UTPCAT6.20M,xx	20000	±80mm
ATZ UTPCAT6.30M,xx	30000	±80mm
ATZ UTPCAT6.40M,xx	40000	±80mm

Cat.6 fixed length network patch cords are the perfect combination of value and performance. Available in a large assortment of colors and lengths, we have a cable to fit every situation. Each cable is made of 24AWG, pure copper listed pair conduits with 50-micron gold plated contacts, snagless design(which avoids tangles), with strain relief boots.

Feature or Specification:

- The cable connects all the hardware destinations on a Local area network.
- With snagless molded strain relief, this cable's RJ45 tap is protected from being damaged during installation
- Cord Length: 0.5M to 100m
- Cord Colour: 8 Colours
- Conductor Materials: Bare Copper Wire Stranded
- Stranded 7/0.2mm, 24AWG
- Outer Dia.: 6.0mm
- Features 50-micron gold plated RJ45 (male to male) connectors to ensure clear transmission.
- Compliance Standards: Conform to ISO/IEC11801, ANSI/TIA/EIA/TIA- 56B Category 6
- Jacket: LSZH

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Description: CAT.6 UTP LSZH Stranded Patchcord

- Insulation: HDPE
- TIA/EIA; UL Listed; CSA Listed, RoHS Compliant
- Applications: 1000 BASE-T; 100 BASE-T; 10 BASE-T (IEEE 802.3); 4/16 Mbps Token Ring (IEEE 802.5); 100 VG-AnyLAN; 100 Mbps TP-PMD (ANSI X3T9.5); 55/155 Mbps ATM; Voice
- Designed For: Network Adapters, Hubs, Switches, Routers, DSL/Cable Modems, Patch Panels and other twisted-pair applications.

Performance:

- Min. Insulation Resistance: 100M
- DC Resistance Unbalance: Max 2%
- Pair-to-Ground Capacitance Unbalance : Max 330PF/100KM
- Input Impedance:
 - 4-100Mhz: 100+/-15ohm
 - 100-250Mhz: 100+/-22ohm
- Mean Characteristic Impedance@100Mhz: 100+/-5ohms
- Nominal Velocity of Propagation (NVP): 68+/-2%
- Propagation Delay @ 100Mhz: >=537.6 ns/100M
- Propagation Delay Skew: Max >=45ns/100M
- Insertion loss: 4-250Mhz IEC61156-6
- Return loss: 4-250Mhz IEC61156-6
- NEXT: 4-250Mhz IEC61156-6
- Working Temperature:-5°C~+50°C
- Storage Temperature:-20°C~+60°C