

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|**PU**: Purple|

Description: CAT.6 UTP LSZH Stranded Patchcord



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|**PU**: Purple|

Description: CAT.6 UTP LSZH Stranded Patchcord

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)

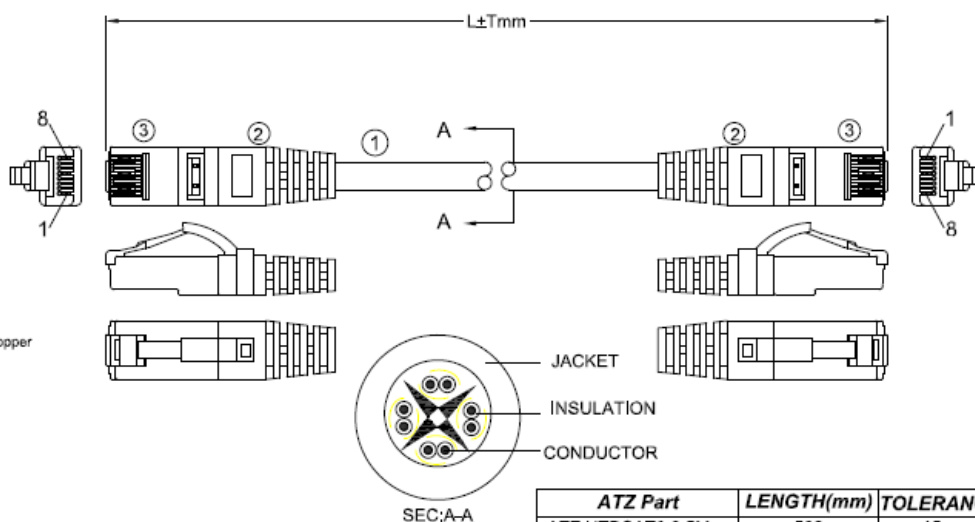
• Connector Type – 8P8C (RJ45)
• Gender – Male
• Connector Material – PC
• Contact Material – Copper Alloy, Gold Plating 50U"
• Hood Material – Molded PVC

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 – 5600pF/100m
• Propagation Delay – 545ns/100m (maximum)
• Delay Skew – 45ns/100m (maximum)
• Pass Fluke DSX 8000 Channel TEST



P1	P2 T568B
1	1 WHITE/ORANGE
2	2 ORANGE
3	3 WHITE/GREEN
4	4 BLUE
5	5 WHITE/BLUE
6	6 GREEN
7	7 WHITE/BROWN
8	8 BROWN

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: 9 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

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|**PU**: Purple|

Description: CAT.6 UTP LSZH Stranded Patchcord

- Jacket: LSZH
- 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 ≥ 45 ns/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