



CAT 6A INFORMATION OUTLET

ZYIOM6101005W

Zyxel Category 6A UTP Cabling System combines the latest innovations in network connectivity. It works well for 24 Port patch panels and all types of outlets. Zyxel Keystone Jacks are suitable for all types of connection between the hub room and working area meeting the T568 A and T568 B cabling systems and are very compact in appearance.

Category 6A RJ45 keystone jacks I/O conform to class E performance. The Press-Fit technology is able to complete the insertion of the IDC and RJ-45 contacts into a PTH (Plated-Through Hole) on a PCB (Printed Circuit Board). The connection is established without using solder. Press-Fit technology connections avoid quality problems such as cold Spots, voids, splatters, and cracks and its highly reliable than soldering. Press-Fit technology does not use Solder, it uses no lead (Pb) and there is no extra heat on the connections, it makes the connections clean, Reliable, and meets RoHS standards.

Application

- 1000BASE-TX Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- 155 Mbps ATM
- 622 Mbps ATM
- Token Ring
- Voice, Video and other applications



Specifications

| Electrical Specification | |
|------------------------------|--|
| Standards | ISO/IEC 11801:2002, EN 50173:2002 and ANSI/EIA/TIA 568-B.2-1, 568-C.2 both in Channel and individual Link Performance. IEC 60603-7-4, ISO/IEC 11801 and EN 50173-1 Category 6A |
| Product Type | Unshielded |
| Current Rating | 1.5A @ 20°C |
| Insertion Force | 20N(Max) |
| Insulation Resistance | >100 MΩ |
| Contact Resistance Variation | 20 mΩ |
| Dielectric Strength | 750 VAC RMS @ 60Hz |
| Compatibility | PoE and PoE+ compatible according to IEC 60512-99-00 |
| Safety Voltage Rating | 150 vac (max) |

| General Type Specification | |
|---------------------------------------|--|
| Compatible Wire Gauge – Solid Wire | AWG 24 – AWG 22 |
| Compatible Wire Gauge – Stranded Wire | AWG26 – AWG 24 |
| Operating temperature range | -10°C to 60°C |
| Storage temperature range | -40°C to 70°C |
| Humidity | 95% (non-condensing) |
| IDC Contact material | Phosphor Bronze(Tin over nickel) |
| IDC Contact surface | >0.50 μm gold over >1.2 μm nickel |
| Housing material | ABS High Impact (UL-94-V0) Thermoplastic |
| Number of IDC* connections | 8 / jack |
| IDC contact material | C53400, tin-plated |
| Contact Compatibility | AWG26 - AWG22 |
| Contact Housing | PC + Glass Fiber, UL-94-V2 |
| PCB Material | FR-4, Thermoplastic UL94 V-0 |
| Insertion Cycle | 750 times |
| Displacement Contact Life | 200 times |
| Colors Availability | Yellow, Blue, White and Black |
| Jack Type | Un-shuttered |

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