TX6™ PLUS Category 6 UTP Modular Plug

**Specifications**

Category 6/Class E, 8-position, 8-wire, UTP modular plug shall terminate Panduit 4-pair, 23-24 AWG, 100 ohm, solid or stranded unshielded twisted pair patch cable with maximum conductor insulation diameter of 0.042 in. (1.07mm) and maximum jacket diameter of 0.250 in. (6.35mm).

**Technical Information**

- **Category 6/Class E component performance:** Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when properly terminated to Panduit Category 6 UTP copper cable
- **Cable jacket diameter range:** 0.225 (5.72mm) – 0.250 in. (6.35mm)
- **Conductor insulation diameter range:** 0.036 (0.91mm) – 0.042 in. (1.07mm)
- **FCC and ANSI compliance:** Meets ANSI/TIA-1096-A (formerly FCC Part 68)
- **IEC compliance:** IEC-60603-7
- **PoE compliance:** Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W
- **Safety compliance:** cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886)
- **RoHS compliance:** Compliant
- **Conductor termination:** Compatible with Panduit 23-24 AWG solid or stranded Category 6 UTP patch cable
- **Plug Housing:** UL94V-0 rated clear Polycarbonate
- **Contacts:** Gold plated phosphor bronze
- **Operating temperature:** 14°F to 140°F (-10°C to 60°C)
- **Storage temperature:** -40°F to 158°F (-40°C to 70°C)

**Key Features and Benefits**

- **Patented tangle-free latch:** Prevents snags and provides easy release, saving time and providing reliability on frequent moves, adds, and changes
- **Robust construction:** Rated to 2500 mating cycles

**Applications**

Category 6 plugs allow customers to meet performance requirements in ISO 11801 Class E, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6 standards to support transmission at speeds up to and including 1000BASE-T. These plugs can be used in applications such as high performance workstations, 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Token Ring 4/16, digital video and broadband/baseband analog video, and Voice over IP.

**Tools and Accessories**

- **Termination tool:** CSPT
- **Crimp tool:** MPT5-8AS
- **Wire prep tool:** WPT-8
- **RJ45 plug lock-in device (standard):** PSL-DCPLX^*
- **RJ45 plug lock-in device (recessed):** PSL-DCPLRX^*

^For colors other than Red, add suffix -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), IW (Intl White), or -IG (Intl Gray) to the end of the part number. 10/package. Add -C for bulk packages of 100.