TX6A™ Category 6A Shielded Modular Plug

specifications

Category 6A/Class EA, 8-position, 8-wire, shielded modular plug shall terminate Panduit 4-pair, 23-24 AWG, 100 ohm, solid or stranded shielded twisted pair cable with maximum conductor insulation diameter of 0.047 in. (1.19mm) and maximum jacket diameter of 0.300 in. (7.62mm).

technical information

| Category 6A/Class EA component performance: | Exceeds ANSI/TIA Category 6A and ISO Class EA performance requirements when properly terminated to Panduit Category 6A F/UTP copper cable |
| Cable jacket diameter range: | 0.275 (6.99mm) – 0.300 in. (7.62mm) |
| Cable compatibility: | Compatible with Panduit TX6A™ F/UTP Horizontal Copper Cable (PFL6X04**, PFP6X04** and PFR6X04**)‡ |
| PoE compliance: | Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W |
| RoHS compliance: | Compliant |
| Conductor insulation diameter range: | 0.042 (1.07mm) – 0.047 in. (1.19mm) |
| 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 6A plugs allow customers to meet performance requirements in ISO 11801 Class EA, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6A standards to support transmission at speeds up to and including 10GBASE-T. These plugs can be used in applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation of Gigabit Ethernet channels, real-time intensive financial transactions, streaming video, animation, scientific modeling, and medical imaging.

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 (Int’l White), or -IG (Int’l Gray) to the end of the part number. 10/package. Add -C for bulk packages of 100.

‡ For cable colors, replace ** with: WH (White) or BU (Blue).

‡ Other shielded cables which meet the dimensional requirements may work and must be evaluated by the user. Not for use with PUFL6X04**, PUFP6X04**, PUFR6X04**, or PSL7004** cables.
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Dimensions are in inches. [Dimensions in brackets are metric].

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