# PanPlug® TX6™ PLUS 24-26 AWG STP Modular Plug

**PANDUIT®**
SPECIFICATION SHEET

## SPECIFICATIONS

Category 6/Class E, 8-position, 8-wire, shielded modular plug shall terminate 4-pair, 24-26 AWG, 100 ohms, solid or stranded shielded twisted pair cable with a maximum conductor insulation diameter of 0.040 inches (1.02mm) and maximum jacket diameter of 0.250 inches (6.35mm).

## TECHNICAL INFORMATION

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|---|---|
| **Category 6/Class E component performance:** | Exceeds ANSI/TIA Category 6 and ISO Class E performance requirements when adequately terminated to compatible Category 6 shielded copper cable |
| **IP compliance:** | Bulkhead connection rated IP65/IP67 for dust protection and temporary liquid immersion |
| **IEC compliance:** | IEC-60603-7 |
| **FCC and ANSI compliance:** | Meets ANSI/TIA-1096-A (formerly FCC Part 68) |
| **PoE compliance:** | Supports PoE, PoE+, and proposed Type 3 and 4 PoE++ applications for up to 100 W |
| **RoHS compliance:** | Compliant |
| **Cable compatibility:** | Compatible with shielded cables that meet the specified conductor insulation and jacket diameter |
| **Cable jacket diameter range:** | 0.225 in. - 0.250 in. (5.72mm-6.35mm) |
| **Conductor insulation diameter range:** | 0.036 in. - 0.040 in. (1.02mm-0.91mm) |
| **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 giving 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-568.2-D Category 6 Standards to support transmission at speeds up to and including 1GBASE-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, and scientific.

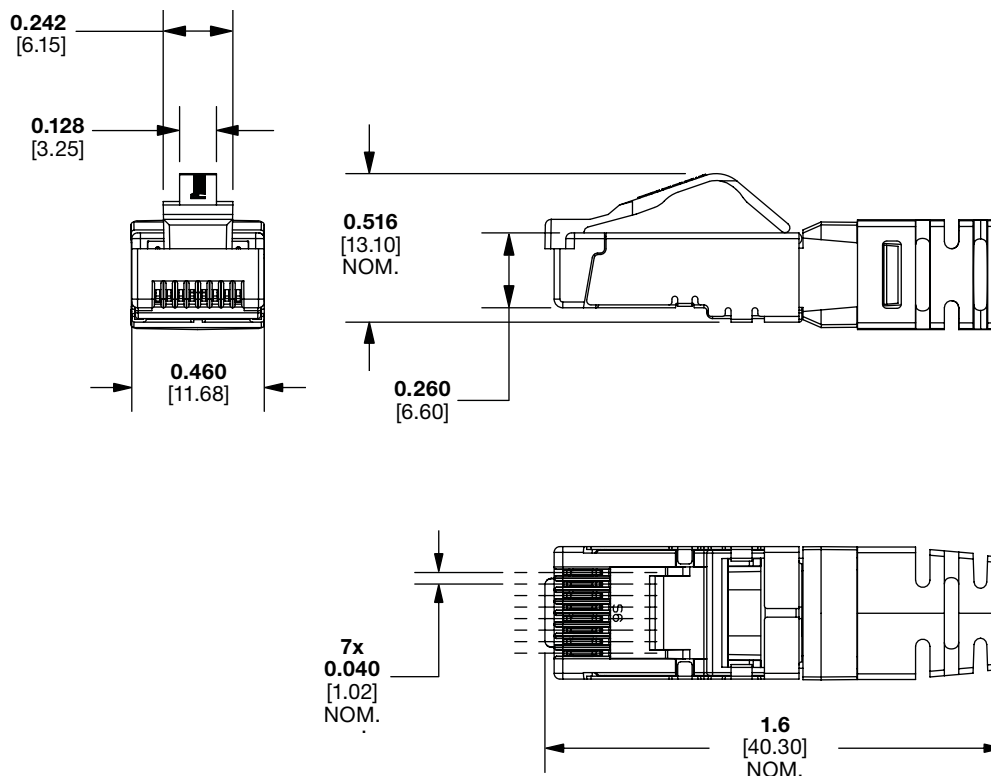| **TX6 PLUS 24-26 AWG STP Modular Plug** | |
|---|---|
| **Bulk package of 100 pcs:** | SPS688-C |
| **Tools and Accessories** | |
| **Termination Tool:** | CSPT |
| **Crimp Tool:** | MPT5-8AS |
| **Standard RJ45 plug lock-in device (Red):** | PSL-DCPLE^+ |
| **Recessed RJ45 plug lock-in device (Red)::** | PSL-DCPLRE^+ |

^Colors other than Red: -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), -IW (Int'l White), or -IG (International Gray

+Add -C to indicate bulk packages of 100 to reduce single-use plastic

**TAA Compliant**

All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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## ENGINEERING DRAWINGS



0.242 [6.15]

0.128 [3.25]

0.516 [13.10] NOM.

0.460 [11.68]

0.260 [6.60]

7x 0.040 [1.02] NOM.

1.6 [40.30] NOM.

**Dimensions are in inches.** [Dimensions in brackets are metric.]

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