Mini-Com® TX6™ PLUS UTP Coupler Modules and Patch Panel

**Specifications**

Category 6/Class E, 8-position, female to female, UTP coupler module shall provide easy plug and play pass through connectivity. Coupler modules shall act as one connecting hardware component in the channel. Coupler modules shall be available individually or installed in a 24-port flat patch panel. Couplers shall be compatible with 6 or 8-position RJ45 UTP patch cords with T568A and T568B wiring schemes.

**Technical Information**

- **Category 6/Class E channel performance**: Exceeds channel requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz
- **FCC and ANSI compliance**: Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance
- **IEC compliance**: Meets IEC 60603-7
- **PoE compliance**: Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- **RoHS compliance**: Compliant
- **UL rated**: UL 1863 approved

**Key features and benefits**

- **100% performance tested**: Confidence that each coupler will deliver the critical electrical performance requirements
- **Modular**: Couplers snap in and out of all Mini-Com® Faceplates, Modular Patch Panels and industrial bulkheads for easy moves, adds and changes
- **RJ45 interface**: Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible
- **Identification**: Can be clearly identified with optional labels and icons for port identification
- **Populated patch**: Factory installed 24-port patch panel mounts to standard EIA 19" panel version or 23" racks for greater system flexibility
- **Blockout device (optional)**: Provides a simple and secure method to control access to data ports while not in use

**Applications**

Mini-Com® TX6™ PLUS UTP Coupler Modules and Patch Panels are a component of the TX6™ PLUS UTP Copper Cabling System. This end-to-end system is interoperable and backwards compatible, providing design flexibility to protect network investments well into the future. Couplers are designed to perform as one connector in the channel, allowing up to 4 couplers in each channel to be used while maintaining channel performance. Couplers are a reliable, modular solution, ideal when setting up networks in a testing environment or during a planned system upgrade. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

**Accessories**

- **Industrial bulkhead**: IAEBH
- **Clear dust cap**: MDC-C
- **Blockout device**: PSL-DCJB-^^^C+
- **Phone icons**: CIPW-C+
- **Data icons**: CIDIW-C+

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To designate color, add suffix BL (Black), IW (Off White), BU (Blue), GR (Green), OR (Orange), RD (Red), IG (International Gray) or YL (Yellow).

To designate color other than Red, add suffix BL (Black), IW (Off White), BU (Blue), GR (Green), OR (Orange) or YL (Yellow).

For additional modular and punchdown patch panels, visit www.panduit.com.
## Test Results

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Measurement</th>
<th>Typical Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Normal Force</strong></td>
<td>Load (grams)</td>
<td>&gt;100</td>
</tr>
<tr>
<td><strong>Vibration</strong></td>
<td>Circuit Resistance (mOhms)</td>
<td>&lt;40</td>
</tr>
<tr>
<td><strong>Shock</strong></td>
<td>Contact Disturbance (microseconds)</td>
<td>&lt;5</td>
</tr>
<tr>
<td><strong>Durability</strong></td>
<td>Circuit Resistance (mOhms)</td>
<td>&lt;40</td>
</tr>
<tr>
<td><strong>Mating/Unmating</strong></td>
<td>Mating Force (N)</td>
<td>&lt;20</td>
</tr>
<tr>
<td></td>
<td>Un-mating Force (N)</td>
<td>&lt;20</td>
</tr>
<tr>
<td><strong>Termination Cycles</strong></td>
<td>Number of Cycles</td>
<td>&gt;20</td>
</tr>
</tbody>
</table>

### Mechanical Test
- Normal Force
- Vibration
- Shock
- Durability
- Mating/Unmating
- Termination Cycles

### Electrical Test
- Low Level Circuit Resistance
- Dielectric Withstand Voltage
- Insulation Resistance

### Environmental Test
- Temperature Life
- Humidity
- Thermal Shock
- Climatic Sequence
- Flowing Mixed Gas Corrosion

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**Mini-Com® Category 5e Coupler Module**

**24-Port Category 5e Coupler Patch Panel**

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

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For more information

Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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