

specifications

Category 5e coupler modules with female to female RJ45 connection shall provide easy plug and play pass through connectivity of 6 or 8-position RJ45 patch cords. Coupler modules shall exceed Category 5e, Class D channel requirements. Coupler modules shall be available individually or factory installed in a 24-port flat patch panel. All coupler modules shall be compatible with T568A and T568B wiring schemes.



technical information

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| Category 5e/ Class D channel performance: | Exceeds TIA/EIA-568-B.2 Category 5e and all ISO 11801 2nd Edition Class D channel standard requirements at swept frequencies up to 100 MHz |
| FCC compliance: | Meets FCC Part 68 Subpart F; contacts plated with 50 microinches of gold |
| IEC compliance: | Meets IEC 60603-7 |
| Packaging: | Patch panel packaged with M6 and #12 – 24 mounting screws |

key features and benefits

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|---|--|
| High performance | Ensures Category 5e performance with consistent data throughput |
| Tool-less design | Does not require use of termination tool for speed of installation |
| Populated patch panel (option) | Factory installed 24-port patch panel mounts to standard EIA 19" or 23" racks for greater system flexibility |
| Modular | Coupler modules snap in and out of all <i>MINI-COM</i> ® Faceplates and Modular Flat and Angled Patch Panels for fast moves, adds, and changes |
| Easily identified | Compatible with icons and a variety of component labels |
| Industry standard RJ45 interface | Provides quick and easy plug and play connection of RJ45 patch cords; backwards compatible |

applications

MINI-COM® Category 5e Coupler Modules and Patch Panel are ideal for situations in which a modular, performance network must be installed. Individual coupler modules provide quick deployment when network equipment must be replaced. Coupler patch panel can also be utilized to set up temporary networks within a testing environment or during a planned system upgrade. *MINI-COM*® Coupler

Modules and Patch Panel provide quick plug and play connection of RJ45 patch cords for improved system flexibility. *MINI-COM*® Category 5e Coupler Modules and Patch Panel are part of the comprehensive *PANDUIT*® *TX5500*™ Copper Cabling System, providing end-to-end Gigabit Ethernet performance with usable bandwidth beyond 100 MHz.

MINI-COM® Category 5e Coupler Modules

| | |
|-------------------|----------|
| Black: | CC5E88BL |
| Off white: | CC5E88IW |

MINI-COM® Category 5e Coupler Patch Panel

| | |
|-----------------------|------------|
| 24-port, 1 RU: | CP245E88BL |
|-----------------------|------------|

TX5500™ Copper Cable

| | |
|----------------|-------------|
| Plenum: | PUP5504*-UY |
| Riser: | PUR5504*-UY |

TX5e™ Patch Cords

| | |
|----------------|------------|
| 3 feet | UTPCH3**Y |
| 5 feet | UTPCH5**Y |
| 7 feet | UTPCH7**Y |
| 10 feet | UTPCH10**Y |
| 14 feet | UTPCH14**Y |
| 20 feet | UTPCH20**Y |

*To designate color, add suffix BU (Blue), WH (White), IG (International Gray) or YL (Yellow).

**For lengths 1' to 20' (increments of one foot) 20', 25', 30', 35' or 40' change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) before Y at the end of the part number. For example, the part number for a blue 15' patch cord is UTPCH15BUY.

Note: *MINI-COM*® Coupler Modules are not compatible with *PANDUIT* surface mount boxes.

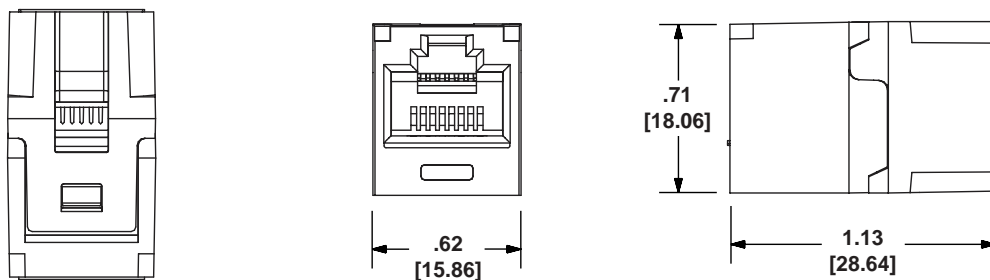
Test Results

| Mechanical Test | Test Method | Measurement | Typical Test Results |
|-------------------------|-------------|------------------------------------|----------------------|
| Normal Force | — | Load (grams) | >100 |
| Vibration | IEC 512-6d | Circuit Resistance (mOhms) | <40 |
| Shock | IEC 512-6c | Contact Disturbance (microseconds) | <5 |
| Durability | IEC 512-9a | Circuit Resistance (mOhms) | <40 |
| Mating/Un-Mating | IEC 512-13b | Mating Force (N) | <40 |
| | | Un-Mating Force (N) | <20 |

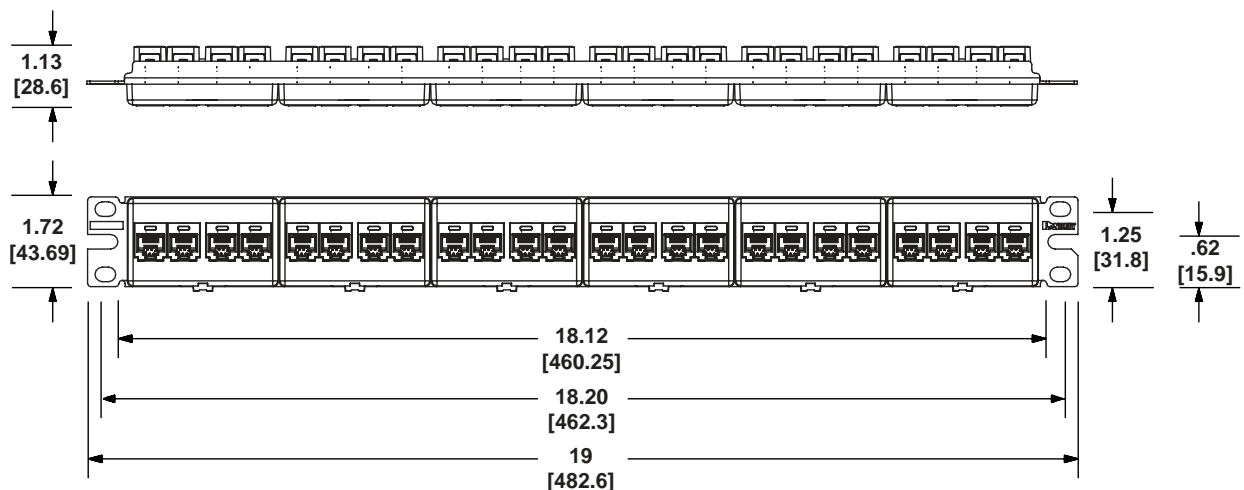
| Electrical Test | Test Method | Measurement | Typical Test Results |
|-------------------------------------|-------------|--------------------|----------------------|
| Low Level Circuit Resistance | IEC 512-2a | Resistance (mOhms) | < 20 |
| Dielectric Withstand Voltage | IEC 512-4a | 1000 V, 1 minute | Passed |
| Insulation Resistance | IEC 512-3a | Resistance (mOhms) | >500 |

| Environmental Test | Test Method | Measurement | Typical Test Results |
|------------------------------------|-------------|----------------------------|----------------------|
| Temperature Life | IEC 512-9b | Circuit Resistance (mOhms) | <40 |
| Humidity | IEC 512-11c | Circuit Resistance (mOhms) | <40 |
| Thermal Shock | IEC 512-11d | Circuit Resistance (mOhms) | <40 |
| Climatic Sequence | IEC 512-11a | Circuit Resistance (mOhms) | <40 |
| Flowing Mixed Gas Corrosion | IEC 512-11g | Circuit Resistance (mOhms) | <40 |

Category 5e Coupler Module



Category 5e Patch Panel



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