8P8C EZ Category 6 Module

Package Includes:
A. 8P8C EZ Category 6 Module, 1 pc
B. Wire Cap, 1 pc

Features and Benefits:
- CAT 6 rated connectors provide excellent performance for data networks requiring maximum speed and bandwidth.
- PCB technology provides maximum performance and superior signal quality.
- Enhanced crosstalk cancellation reduces return loss and improves performance by rejecting noise and unwanted signals.
- Exceeds ANSI/TIA-568-C requirements for permanent, channel link and component performances.
- Engineered to provide 110 IDC in-line, in-sequence termination reducing installation time.
- Pair-to-Pair wiring for easy termination and best performance.
- Includes an integrated TIA-568A/B color wiring diagram.
- Backwards compatible to all lower rated category components.
- Compatible with all IC107 faceplates, inserts, surface mount boxes, and blank patch panels.
- Compatible with all IC108 furniture faceplates, bezels, and surface mount boxes.
- Used with ICC Category 6 ICPCS and ICPCSJ series patch cords and 110 punch down tool ICACSPDT00.
- Available in almond, black, blue, gray, green, ivory, orange, purple, red, white, and yellow.
- UL 1863 compliant
### Module, Cat 6, EZ

**NOTE: UNLESS OTHERWISE SPECIFIED**

1. **CAT 6 MODULE:**
   
   **A. ELECTRICAL:**
   - CURRENT RATING: 1.5 AMPS
   - INSULATION RESISTANCE: 500 MOHMS MIN
   - CONTACT RESISTANCE: 20 MOHMS MAX
   - DC RESISTANCE: 0.1 OHM MAX
   - TRANSMISSION PERFORMANCE EXCEEDS CATEGORY 6 CONNECTING HARDWARE REQUIREMENTS SPECIFIED IN ANSI/TIA-568-C.2 WHEN USED WITH COMPATIBLE HORIZONTAL CABLE
   
   **B. MECHANICAL:**
   - PLUG INSERTION LIFE: 750 CYCLES MIN
   - PLUG & JACK CONTACT FORCE: 100 GRAMS MIN USING FCC APPROVED PLUG
   - PLUG RETENTION FORCE: 50N (11 LBS) FOR 60s ± 5s
   - TEMPERATURE: -40° TO 150° F (-40° TO 68° C)
   
   **C. PHYSICALS:**
   - HOUSING: HIGH IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0
   - JACK WIRING: PHOSPHOR BRONZE ALLOY PLATED WITH 50 μin OF GOLD OVER 70–100 μin OF NICKEL
   - CONNECTOR: INSULATION DISPLACEMENT CONNECTOR (IDC)
   - ACCEPTS 22–24 AWG SOLID WIRE
   
   **D. COLORS:** XX: AL-ALMOND, BK-BLACK, BL-BLUE, GN-GREEN, GY-GRAY, IV-IVORY, OR-ORANGE, PR-PURPLE, RD-RED, WH-WHITE, & YL-YELLOW

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<tr>
<th>T568A WIRING</th>
<th>T568B WIRING</th>
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<tbody>
<tr>
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| CATEGORY 6 CONNECTING HARDWARE REQUIREMENTS |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| FREQUENCY (MHz) | 1.0 | 4.0 | 8.0 | 10.0 | 16.0 | 20.0 | 25.0 | 31.25 | 62.5 | 100 | 200 | 250 |
| NEXT LOSS (db)  | 75.0 | 75.0 | 75.0 | 74.0 | 69.9 | 68.0 | 68.0 | 64.1 | 64.1 | 56.1 | 48.0 | 48.0 |
| FEXT LOSS (db)  | 75.0 | 71.1 | 65.0 | 63.1 | 59.0 | 57.1 | 55.1 | 53.2 | 53.2 | 47.2 | 43.1 | 37.1 |
| RETURN LOSS (db) | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 28.1 | 24.0 | 24.0 | 18.0 | 18.0 |
| INSERTION LOSS (db) | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.18 | 0.20 | 0.28 | 0.32 |

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