NetKey® Category 5e Patch Panels

Category 5e/Class D punchdown patch panels terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable and mount to standard TIA/EIA 19” or 23” racks. Punchdown tool properly terminates each conductor for optimum performance. Universal T568A and T568B color-coded wiring schemes included.

Technical Information

- **Category 5e/Class D channel performance:** Meets all TIA/EIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel requirements at swept frequencies up to 100 MHz
- **FCC compliance:** Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold
- **IEC compliance:** Meets IEC 60603-7
- **PoE compliance:** Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
- **UL rated:** UL 1863 approved
- **RoHS compliance:** Compliant
- **Mounting options:** Mounts to standard EIA 19” or 23” racks (23” requires use of extender brackets); 12-port suitable for wall mount with 89D bracket

Key Features and Benefits

- **100% performance tested**
  - Confidence that each port delivers specified performance
- **110 style punchdown termination**
  - Utilizes industry standard termination style and includes retention cap
- **Identification**
  - Write-on areas allow for port and panel identification
- **Industry standard RJ45 interface**
  - Familiar to end-users; backwards compatible

Applications

Applications include:
- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Voice over internet protocol (VoIP)

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### NetKey® Category 5e Electrical Performance

<table>
<thead>
<tr>
<th>Parameters</th>
<th>dB @ 100 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXT</td>
<td>&gt; 43.0</td>
</tr>
<tr>
<td>FEXT</td>
<td>&gt; 35.1</td>
</tr>
<tr>
<td>Attenuation</td>
<td>&lt; 0.40</td>
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<tr>
<td>Return Loss</td>
<td>&gt; 20.0</td>
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**Dimensions are in inches [Dimensions in brackets are metric]**

![Diagram of NK5EPPG12WY](image)

![Diagram of NK5EPPG24Y](image)

![Diagram of NK5EPPG48Y](image)