**NEXTSPEED**

**Category 6 Component**

**Patch Panel**

**Features**
- 4 dB min NEXT Margin 1 -250 MHz over TIA and ISO Channel Specifications
- Qualified to 150% of 802.3bt PoE Current Level
- Continuous Third Party Verification Program

**Ordering Information**

<table>
<thead>
<tr>
<th>Description</th>
<th>Color</th>
<th>Catalog Number</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXTSPEED Category 6 Patch Panel, 48-port, 2 Rack Units</td>
<td>Black</td>
<td>HP648</td>
<td>662620247175</td>
</tr>
</tbody>
</table>

**Listings**
- TIA-568-C.2 Category 6 component
- ISO/IEC 11801/60603-7-41 6 component
- Third Party tested for TIA 568-C.2 requirements. Component/link/channel Category 6 and ISO/IEC 11801 Class E
- Mechanical: Verified to TIA-568-C.2
- UL Listed1863, UL 94 V-0 Flammability Rating
- ISO9001-2008 manufacturing process

**Specifications**

- **Nose Contact**
  - Beryllium copper with precious metal plating with nickel under-plating
- **Rear IDC Contact**
  - Phosphor bronze with 100 micro-inch lead free tin plating over nickel under plating
- **Panel Material**
  - 14 ga. Steel rolled-edge construction
- **Dimensions (W x H) Inch (mm)**
  - 19 (483) x 3.50 (89)
- **Mounting**
  - Dimensions and mounting holes per CEA-310-E

**Performance**

**Electrical**
- NEXT margin over TIA 568 -C.2 and ISO 11801 Class E channel specifications 1-250MHz
- Exceeds component requirements of TIA-568-C.2 Category 6 and IEC Category 6 components
- Designed and tested for 1.5A of continuous current per pair

**General Information**
- Manufacturing: 100% factory tested
- Universal wiring (T568A or T568B)
- Integrated labeling and icon slots for 606-B compliance

**Mechanical**
- Mating Cycle: 2000+ with FCC 8-position plug

**Applications**
- IEEE 802.3b 1000GBASE-T
- IEEE 802.3bt PoE+
- IEEE 802.3bt 4PPoE Power over Ethernet
- TIA TSB-155 10GbE Over 55 Meters
- Backwards compatible with Category 5E hardware and applications

**Accessories**
- Category 6 Component Jack HXJ6B
- Category 6 Patch Cord HC6B03
- Category 6 Panel Replacement Adaptor HP6M6
- Category 6 UTP Cable C6SRB

**Online Resources**
- Customer Use Drawing
- eCatalog