Siemon’s SkinnyPatch 6A UTP Modular Cords deliver category 6A performance with a reduced cable diameter for improved airflow and increased flexibility in high-density patching areas. The cord’s smaller 28 AWG stranded copper construction offers a significantly tighter bend radius for easier cable routing and enhanced cable management, providing pathway space savings in racks and cabinets while facilitating moves, adds and changes in tight spaces. SkinnyPatch 6A UTP Modular Cords exceed ANSI/TIA-568.2-D and ISO/IEC 11801-1 Ed1.0 performance standards. These cords also feature Siemon’s patented metallic isolator for exceptional NEXT performance and innovative 360-degree crimp for excellent plug-to-cable strain relief.

Standards Compliance
- TIA-568.2-D*
- TIA-968-B
- TIA-1096-A
- ISO/IEC 11801-1 Ed1.0*
- IEC 60603-7
- CM: cUL US Listed
- LSZH: IEC 60332-1, 60754, 61034

* Patch cord length is limited to 8 meters for a maximum channel length of 98 metres.

Applications Support
- 10GBASE-T
- 1000BASE-T
- 100BASE-TX
- 10BASE-T
- HDBASE-T
- IEEE 802.3af (Type 1 PoE)**
- IEEE 802.3at (Type 2 PoE)**
- IEEE 802.3bt (Type 3 PoE)**
- IEEE 802.3bt (Type 4 PoE)**
- Power over HDBaseT (PoH)**

** See table for recommended maximum bundle size

Color Coding
Optional colored clips enable field color coding and can be easily snapped into place without having to disconnect cords

Excellent Bend Relief
Boot and integrated strain relief ensures minimum bend radius for category 6A performance

Diameter and Airflow
Smaller diameter cable significantly reduces bundle and pathway fill for space savings and offers improved airflow, accessibility and cable management in high-density applications

Construction
SkinnyPatch offers 40% size reduction over traditional 6A UTP cords for smaller bend radius and easier routing in tight spaces
Performance Specifications

**Electrical**
- Contact Resistance: 20 mΩ
- Input to Output DC Resistance: 200 mΩ
- Min. Dielectric Withstand Voltage (contact to contact): 1000 V DC or AC peak
- Insulation Resistance: 500 mΩ
- Compatibility: Category 6A, 6 and 5e
- Current Rating @ 25°C (77°F): 1.5 A
- Remote Powering: PoE Type 1, Type 2, Type 3, Type 4
- Attenuation De-rating Factor: 1.9

**Mechanical - Plug**
- Number of Plug Insertion Cycles: 2500
- Min. Plug Retention Force: 50N (11.24 lbf)
- Plug Compatibility: Compatible with RJ45 outlets

**Mechanical - Cable**
- Wire Size (Nominal): 28 AWG 7x36 Stranded bare copper
- Cable O.D. (Nominal): 5.3mm (0.21 in.)
- Wiring: T568A/B
- Jacket Type: CM/LSOH
- Bend Radius: 21.2 mm (0.83 in.)

**Mechanical - General**
- Operating Temperature: -20 to 75 °C (-4 to 167 °F)
- Flammability Rating: UL 94 - V0
- Green Features: RoHS, lead-free, halogen-free, PVC free
- Contact Materials: Copper alloy with contact plating of 50 microinches gold or equivalent
- Plastic Materials: Flame retardant thermoplastic
- Marking: P/N, length, performance level

**Maximum Recommended Bundle Size**

<table>
<thead>
<tr>
<th>Application</th>
<th>Current per Pair (mA)</th>
<th>28 AWG Patch Cords</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1 PoE (15.4 W)</td>
<td>350</td>
<td>96</td>
</tr>
<tr>
<td>Type 2 PoE (30 W)</td>
<td>600</td>
<td>96</td>
</tr>
<tr>
<td>Type 3 PoE (60 W)</td>
<td>600</td>
<td>48</td>
</tr>
<tr>
<td>Type 4 PoE (90 W)</td>
<td>960</td>
<td>24</td>
</tr>
<tr>
<td>PoH (100 W)</td>
<td>1000</td>
<td>24</td>
</tr>
</tbody>
</table>

**Ordering Information**
SkinnyPatch Category 6A double-ended, 4-pair, 28 AWG UTP stranded modular patch-cord, T568A/B, clear boot.

- **SP6A-(XX)M-(XX)(X)**
  - **Length**
    - 01 = 1m (3.3 ft.)
    - 1.5 = 1.5m (5 ft.)
    - 02 = 2m (6.6 ft.)
    - 03 = 3m (9.8 ft.)
    - 04 = 4m (13.1 ft.)
    - 05 = 5m (16.5 ft.)
  - **Bulk Package**
    - Blank = Non Bulk
    - B = Bulk (Quantity 100)
  - **Jacket Colour**
    - 01 = Black
    - 02 = White
    - 03 = Red
    - 04 = Gray
    - 05 = Yellow
    - 06 = Blue
    - 07 = Green
    - 08 = Violet
    - 09 = Orange

**Colour coded clip, bag of 25**

**CLIP-(XX)**

- **Clip Colour**
  - 01 = Black
  - 02 = White
  - 03 = Red
  - 04 = Gray
  - 05 = Yellow
  - 06 = Blue
  - 07 = Green
  - 08 = Violet
  - 09 = Orange

Fill Comparison: Category 6A UTP Cords in a 6 in. x 3.5 in. (152.4 x 89mm) cable manager

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.