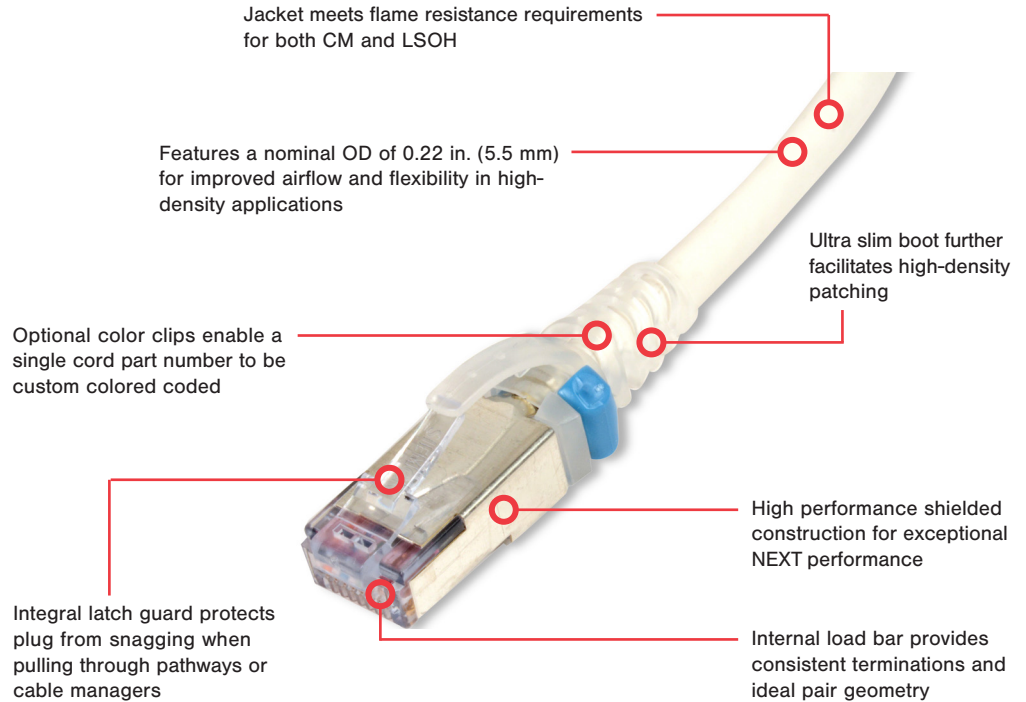


# SkinnyPatch® 6A Shielded Modular Cords - US

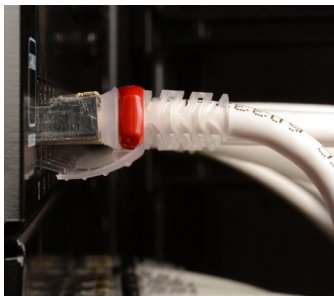
Siemon's SkinnyPatch 6A Shielded Modular Cords deliver superior Category 6A performance with a reduced cable diameter for improved airflow and increased flexibility in high-density patching areas. The cord's smaller 28 AWG stranded copper construction offers a significantly tighter bend radius for easier cable routing and enhanced cable management, providing pathway space savings in racks and cabinets while facilitating moves, adds and changes in tight spaces. Confirmed by Intertek, an independent third party test lab, SkinnyPatch 6A Shielded Modular Cords exceed ANSI/TIA-568.2-D and ISO/IEC 11801-1 Ed 1.0 performance standards. These cords also feature Siemon's high performance shielded S/FTP construction for exceptional NEXT performance and innovative 360-degree crimp for excellent plug-to-cable strain relief.

## PERFORMANCE SPECIFICATIONS

- ANSI/TIA-568.2-D
  - TIA 968-A
  - ANSI/TIA-1096-A
  - ISO/IEC 11801-1 Ed 1.0
  - 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)
  - IEC 60603-7
  - cUL US Listed
  - IEC 60332-1, 60754, 61034
- \* Patch cord length is limited to 8 meters for a maximum channel length of 98 meters.
- \*\* See table for recommended maximum bundle size.



Optional coloured clips enable field colour coding and can be easily snapped into place without having to disconnect cords



Boot and integrated strain relief ensures minimum bend radius for Category 6A performance



Smaller diameter cable significantly reduces bundle and pathway fill for space savings.



Offers improved airflow, accessibility and cable management in high-density applications.

# Product Information

## PERFORMANCE SPECIFICATIONS\*

### CORD ASSEMBLY

<b>Compatibility</b>	Category 6A, 6 and 5e RJ 45 outlets
<b>Wiring</b>	T568A/B as specified by part #
<b>Marking</b>	P/N, length, performance level
<b>Operating Temperature</b>	-20 to 75 °C (-4 to 167 °F)
<b>Remote Powering</b>	PoE Type 1,2,3,4 and PoH
<b>Green Features</b>	RoHS, lead-free, halogen-free, PVC free
<b>Plastic Materials</b>	Flame retardant thermoplastic

### CABLE

<b>Wire Size (Nominal)</b>	28 AWG 7x36 Stranded bare copper
<b>Construction</b>	S/FTP
<b>Cable O.D. (Nominal)</b>	5.5 mm (0.22 in.)
<b>Jacket Type</b>	CM/LSOH
<b>Bend Radius</b>	22 mm (0.87 in.)
<b>Attenuation De-Rating Factor</b>	1.9

### PLUG

<b>Number of Plug Insertion Cycles</b>	2500
<b>Min. Plug Retention Force</b>	50N (11.24 lbf)
<b>Contact Resistance</b>	20 mΩ
<b>Input to Output DC Resistance</b>	200 mΩ (signal conductors) 100 mΩ (shield)
<b>Insulation Resistance</b>	500 MΩ
<b>Min. Dielectric Withstand Voltage</b>	1000 V DC or AC peak (contact to contact) 1500 V DC or AC peak (contact to shield)
<b>Current Rating @ 25 C (77 F)</b>	1.5 A
<b>Flammability Rating</b>	UL 94 - V0
<b>Contact Materials</b>	Copper alloy with contact plating of 50 microinches gold or equivalent

### 6A SHIELDED MAXIMUM RECOMMENDED BUNDLE SIZE

Application	Current per Pair (mA)	28 AWG Patch Cords
Type 1 PoE (15.4 W)	350	96
Type 2 PoE (30 W)	600	96
Type 3 PoE (60 W)	600	48
Type 4 PoE (90 W)	960	24
PoH (100 W)	1000	24

## Ordering Information

SP6A-S(XX)-(XX)(X) ----- SkinnyPatch Category 6A double-ended, 4-pair, 28 AWG S/FTP stranded modular patch cord, T568A/B, clear boot.

**Length**

03 = 0.9m (3 ft.)  
05 = 1.5m (5 ft.)  
07 = 2.1m (7 ft.)  
10 = 3.1m (10 ft.)  
15 = 4.6m (15 ft.)  
20 = 6.1m (20 ft.)

**Bulk Package**

Blank = Non Bulk  
B = Bulk (Quantity 100)

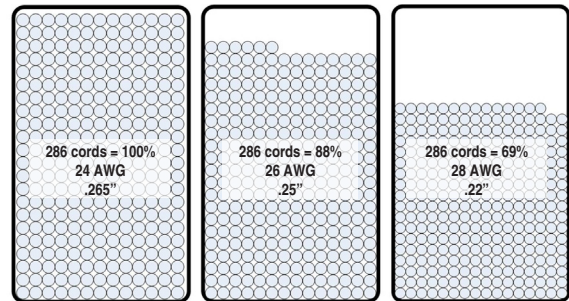
**Jacket Color**

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

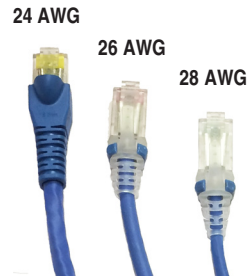
CLIP-(XX) ----- Color coding clip, bag of 25

**Clip Color**

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



Fill Comparison: Category 6A Cords in a 6 x 3.5 cable manager



Construction: Smaller 28 AWG construction results in a smaller bend radius for easier routing in tight spaces.

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

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