

# 28 AWG Selection Guide - Category 6A, 6, & 5e

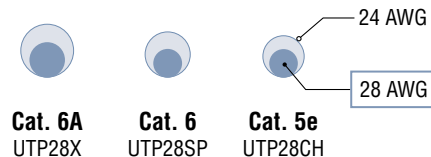
## High Density Cabling Solutions

Family of innovative 28 AWG solutions which increase cable pathway capacities, enable higher density layouts, and improve ease of cable management.

Best for:

- Overcrowded pathways in **existing** Telecom Rooms & Data Centers
- Enabling smaller pathways in **new** Telecom Rooms & Data Centers
- Where <100 meter maximum channel lengths are OK

## 28 AWG Size Comparison



[Approximate cord diameter to scale]

## 28 AWG Patch Cords



UTP28SP<sup>^</sup>  
(UTP)

- Less than 50% the size of traditional 24 AWG patch cords
- Provide up to 96 meters of channel length (when using 6 meters of patch)
- Support PoE, PoE+, and PoE++
- 100% tested to applicable component limits
- 1.9 de-rating factor for all cords
- Available in many standard colors

| Part Number          | Cord Diameter | Performance | Description   |
|----------------------|---------------|-------------|---|
| UTP28X <sup>^</sup>  | 0.185"        | Category 6A | Category 6A Performance 28 AWG UTP CM/LSZH Patch Cord |
| UTP28SP <sup>^</sup> | 0.150"        | Category 6  | Category 6 Performance 28 AWG UTP CM/LSZH Patch Cord  |
| UTP28CH <sup>^</sup> | 0.149"        | Category 5e | Category 5e Performance 28 AWG UTP CM/LSZH Patch Cord |

\* = Length in feet. Lengths 1 to 50 feet (in 1 ft. increments) and 55 to 130 feet (in 5 ft. increments).

<sup>^</sup> = Color. No suffix designates Off White color. For other colors, suffix: BL (Black), BU (Blue), GR (Green), GY (Gray), OR (Orange), RD (Red), VL (Violet), or YL (Yellow); PK (Pink) is available as cord color option for UTP28SP only.



STP28X#M<sup>^</sup>  
(F/UTP)

|                       |        |             |   |
|-----------------------|--------|-------------|---|
| STP28X#M <sup>^</sup> | 0.185" | Category 6A | Category 6A Performance 28 AWG F/UTP CM/LSZH Patch Cord |
|-----------------------|--------|-------------|---|

# = Length in meters. Lengths 0.5 to 10 meters (in 0.5 meter increments), 11 to 20 meters (in 1 meter increments), and 25 to 40 meters (in 5 meter increments).

<sup>^</sup> = Color. Add suffix: BL (Black), BU (Blue), GR (Green), IG (Int'l Gray), OR (Orange), RD (Red), VL (Violet), YL (Yellow).

## 28/30 AWG Modular Jacks



CJT688TGAW

- 100% tested and individually serialized
- Required for terminating to wires of Panduit 28 AWG patch cords
- Terminates 28 AWG solid/stranded and 30 AWG solid conductors

| Part Number             | Performance | Description  |
|-------------------------|-------------|--|
| CJT6X88TG <sup>**</sup> | Category 6A | Mini-Com <sup>®</sup> TX6A <sup>™</sup> 10Gig <sup>™</sup> 28/30 AWG UTP Jack Module |
| CJT688TG <sup>**</sup>  | Category 6  | Mini-Com <sup>®</sup> TX6 <sup>™</sup> PLUS 28/30 AWG UTP Jack Module                |
| CJT5E88TG <sup>**</sup> | Category 5e | Mini-Com <sup>®</sup> TX5e <sup>™</sup> 28/30 AWG UTP Jack Module                    |

<sup>\*\*</sup> = Color. Add suffix: IW (Off White), EI (Electric Ivory), IG (Int'l Gray), AW (Arctic White), BL (Black), BU (Blue), GR (Green), RD (Red), OR (Orange), VL (Violet), YL (Yellow), WH (White), BR (Brown).

## 28 AWG Modular Plugs



SP628-C

- Required for terminating to wires of Panduit 28 AWG patch cords
- Patented tangle-free latch prevents snags and provides easy release

| Part Number | Performance     | Description   |
|-------------|-----------------|---|
| SP628-C     | Category 6A & 6 | TX6 <sup>™</sup> PLUS 28 AWG UTP Modular Plug, 100 Pack |
| MP528-C     | Category 5e     | PanPlug <sup>™</sup> 28 AWG UTP Modular Plug, 100 Pack  |

Plug housings and boots are clear.

## High Density Cabling Solutions

### 28 AWG Switch Harnesses



QPPSDBBB\*\*



QPCSDBBBB\*\*



QPCSDBWXB\*\*

- Readily available harnesses using Panduit 28 AWG components for common switch-to-panel cabling approaches
- Reduces network rack cabling installation time by 75% or more compared to loose cord cabling
- Multiple cable bundle counts, lengths, and configurations available
- Enables quick and easy routing within tight spaces
- Ensures cleanly dressed IDF/MDF cabling

| Part Number  | Performance | Description  |
|--------------|-------------|--|
| QPPSDBAB**   | Category 6  | 6-Cable Switch Patching Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Blue Plug Pack to Modular Plugs                        |
| QPPSDBBB**   | Category 6  | 12-Cable Switch Patching Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Blue Plug Pack to Modular Plugs                       |
| QPCSDBABB**  | Category 6  | 6-Cable Switch Port Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Blue Plug Pack to Pre-terminated Cassette with Blue Jacks  |
| QPCSDBBBBB** | Category 6  | 12-Cable Switch Port Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Blue Plug Pack to Pre-terminated Cassette with Blue Jacks |
| QPCSDB6XB**  | Category 6  | 6-Cable Switch Port Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Loose Plugs to Pre-terminated Cassette with Blue Jacks     |
| QPCSDBWXB**  | Category 6  | 12-Cable Switch Port Harness, Cat 6 28 AWG Blue UTP CM/LSZH Cable, Loose Plugs to Pre-terminated Cassette with Blue Jacks    |

\*\* = Length in feet. Lengths of 5, 7, 10, 14, and 20 feet (indicated as 05, 07, 10, 14, and 20)

### 28 AWG Switch Patching Cords & Kits



UTP28SP8INBU-48

- Convenient cords and kits for direct 1:1 port patching of switch to panel
- Uses 8-inch Category 6 28 AWG patch cords to directly connect from switch port to adjacent patch panel
- Kits include 48 patch cords, vertically numbered patch panel, and strain relief bar
- Eliminates need for horizontal manager, reducing cost & providing more RU space

#### Patch Cords only

| Part Number | Performance | Description  |
|-------------|-------------|--|
| UTP28SP8IN^ | Category 6  | 8-inch Category 6 Performance 28 AWG UTP CM/LSZH Patch Cord  |
| UTP28X8IN^  | Category 6A | 8-inch Category 6A Performance 28 AWG UTP CM/LSZH Patch Cord |

^ For standard colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), GY (Gray), OR (Orange), RD (Red), VL (Violet), or YL (Yellow); PK (Pink) is available as cord color option for UTP28SP only.  
**Add -48 to order a bulk pack of 48 patch cords.**

#### Switch Patching Kits

|              |            |  |
|--------------|------------|--|
| CPP48KFVPCWH | Category 6 | 48-Port Switch Patching Kit with Off-White Patch Cords, Vertically Numbered Patch Panel, and Strain Relief Bar |
| CPP48KFVPCBU | Category 6 | 48-Port Switch Patching Kit with Blue Patch Cords, Vertically Numbered Patch Panel, and Strain Relief Bar      |

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