

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

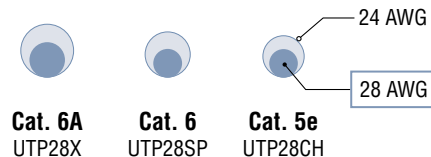
## High Density Cabling Solutions

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\*^  
(UTP)



STP28X#M^  
(F/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*^	0.185"	Category 6A	Category 6A Performance 28 AWG UTP CM/LSZH Patch Cord
UTP28SP*^	0.150"	Category 6	Category 6 Performance 28 AWG UTP CM/LSZH Patch Cord
UTP28CH*^	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).

^ = 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^	0.185"	Category 6A	Category 6A Performance 28 AWG F/UTP CM/LSZH Patch Cord
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# = 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).

^ = 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**	Category 6A	Mini-Com® TX6A™ 10Gig™ 28/30 AWG UTP Jack Module
CJT688TG**	Category 6	Mini-Com® TX6™ PLUS 28/30 AWG UTP Jack Module
CJT5E88TG**	Category 5e	Mini-Com® TX5e™ 28/30 AWG UTP Jack Module

\*\* = 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™ PLUS 28 AWG UTP Modular Plug, 100 Pack
MP528-C	Category 5e	PanPlug™ 28 AWG UTP Modular Plug, 100 Pack

Plug housings and boots are clear.

## High Density Cabling Solutions

### 28 AWG Switch Harnesses



QPPSDBBB\*\*



QPCSDBBBB\*\*



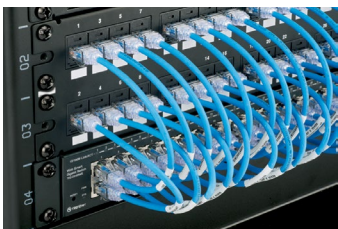
QPCSDBWXB\*\*

- 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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