

Network Patch Cord

Slim Cat 6A Ethernet Patch Cord, UTP, 28AWG Stranded, Snagless, TPE, Blue Jacket – [1.2, 1.5, 2.1, 3.0 and 4.6m]

Flexible, Durable and Flame-Retardant Ethernet cable for high-density patching

Model: C6A28-TPE-XXBL

INTRODUCTION

28AWG CAT6A UTP, FR-TPE Jacket, 10GBASE-T, Optimised for High-Density Routing and Airflow

This **Cat6A UTP Slim Patch Cable** delivers up to 10Gbps Ethernet performance while maximising space efficiency. Constructed with 28AWG stranded bare copper conductors, HDPE insulation, and a flame-retardant TPE (94-V0) blue jacket, it offers excellent signal integrity, flexibility, and enhanced fire safety. Its ultra-slim 4.0mm diameter minimises cable congestion and improves airflow – ideal for high-density racks and structured cabling systems. Fully compliant with TIA-568.2-D, RoHS and REACH standards.



FEATURES

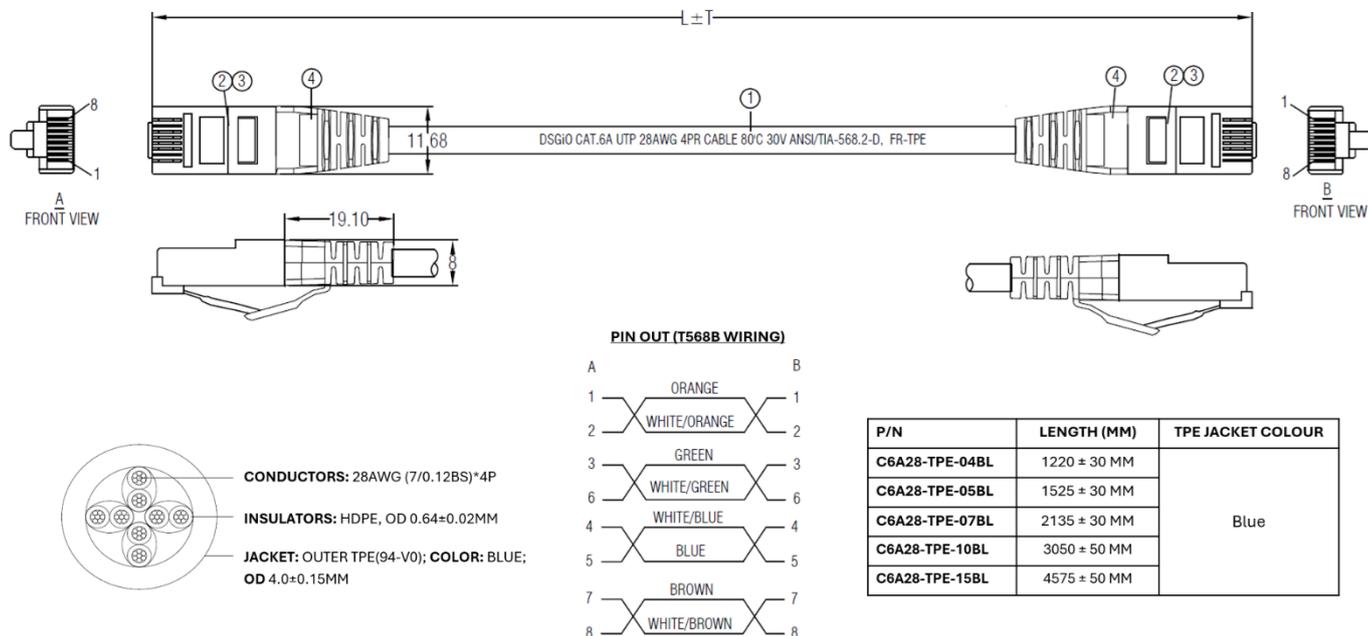
- Category 6A UTP Performance**
 Supports 10GBASE-T Ethernet in compliance with ANSI/TIA-568.2-D standards.
- Space-Saving Slim Design**
 28AWG slim cable reduces cable bulk and improves airflow in high-density environments.
- High-Quality Bare Copper Conductors**
 7-strand 0.12 mm bare copper (BC) ensures efficient signal transmission and flexibility.
- Colour-Coded Twisted Pairs**
 Facilitates quick identification and easy installation: Orange (White-Orange), Green (White-Green), Blue (White-Blue), Brown (White-Brown).
- Flame-Retardant TPE (94-V0) Jacket**
 Offers flame-retardant protection with high flexibility and durability. It's ideal for safe, reliable use in both indoor and industrial applications.
- HDPE Insulation**
 Maintains signal integrity and electrical isolation between conductors.
- Compliant with RoHS and REACH**
 80°C, 30V appliance wiring and compliant with RoHS directives for environmental safety.

SPECIFICATIONS

Parameter	Descriptions
Cable Type	Slim Cat 6A Unshielded (UTP)
Length Available	4ft (1.2m), 5ft (1.5m), 7ft (2.1m), 10ft (3.0m), 15ft (4.6m)
Conductor	Stranded, Bare Copper
Data Rate	Up to 10GBASE-T
Guage (AWG)	28AWG (7 / 0.12BS mm)
Cable Diameter	4.0 ± 0.15 (mm)
Cable Jacket	Blue Colour, FR-TPE (94-V0)
Insulation Material	HDPE
Insulator Diameter	0.64 ± 0.02 (mm)
Wiring	TIA 568B
Standards	TIA-568.2-D, RoHS, REACH
Operating Temp.	-40°C to 75°C (-40°F to 167°F)
Storage Temp.	-50°C to 85°C (-58°F to 185°F)

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CABLE SPECIFICATIONS



Notes:

- Electrical Test:** 100% Open, Short, and Miswire Test
- Conductor Resistance:** 5 ohms max; **Insulation Resistance:** 5 MΩ min
Note: Different lengths may result in different impedances and insulation characteristics.
- Hi-Pot Test:** DC 300V for 0.01 sec
- Characteristic Test Requirements:** Tested using Fluke DTX-1800; Pass CAT6A Channel Test in accordance with ANSI/TIA-568.2-D. (Main Adapter: DTX-CHA002, Remote Adapter: DTX-CHA001).
- Jacket Printing:** DSGIO CAT.6A UTP 28AWG 4PR CABLE 80°C 30V ANSI/TIA-568.2-D, FR-TPE

No.

Descriptions

- Slim Cat 6A UTP Cable: 28AWG (7/0.12 Bare Copper)*4P, Blue FR-TPE Jacket, OD 4.0 ± 0.15 mm
- Transparent Colour with Three Forks, OD 4.0 mm
- 8P8C/M Long Body, Two-Piece Main Housing, Single-Layer Wire Guide, Gold-Plated FU Pins
- 8P8C/M Long Body, Round Cable Folding Inner Sleeve, 0.65 mm Wire Holes, Color: Transparent

Ordering Information

Product Code	Descriptions
C6A28-TPE-04BL	CAT6A Ethernet Patch Cord, 28AWG Stranded, UTP, Snagless, TPE, Blue – 4ft (1.2m)
C6A28-TPE-05BL	CAT6A Ethernet Patch Cord, 28AWG Stranded, UTP, Snagless, TPE, Blue – 5ft (1.5m)
C6A28-TPE-07BL	CAT6A Ethernet Patch Cord, 28AWG Stranded, UTP, Snagless, TPE, Blue – 7ft (2.1m)
C6A28-TPE-10BL	CAT6A Ethernet Patch Cord, 28AWG Stranded, UTP, Snagless, TPE, Blue – 10ft (3.0m)
C6A28-TPE-15BL	CAT6A Ethernet Patch Cord, 28AWG Stranded, UTP, Snagless, TPE, Blue – 15ft (4.6m)

DISCLAIMER

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