

**Modular Cable Plug to Plug 8p8c (RJ45,  
Ethernet) 50.00' (15.24m) Double Shielded**

**RoHS  
Compliant**

Stock No.: CAT8-50PU

**FEATURES**

- Strain Relief
- S/FTP
- 24 AWG
- Stranded Copper



**Product Description**

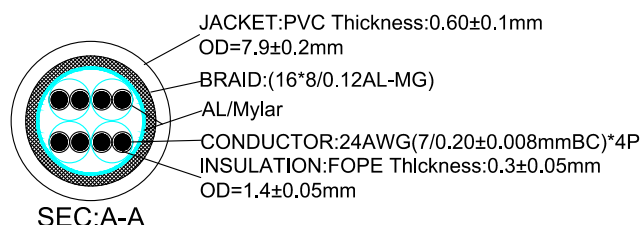
Cat.8 Ethernet Network Cables are capable to reach up to 40Gbps transfer speeds and up to 2GHz bandwidth using copper conductors and RJ45 connectors. Cat.8 patch cables are backwards compatible with all categories Cat.5E, Cat.6, Cat6A, Cat.7.

**General Specifications**

| Attribute                            | Value                          |
|--------------------------------------|--------------------------------|
| Terminated/Unterminated              | Terminated                     |
| Connector Type                       | RJ45                           |
| Cable Type                           | Ethernet                       |
| Length                               | 50.00' (15.24m)                |
| Gauge                                | 24 AWG                         |
| Conductor                            | Bare Copper                    |
| Shield/Unshielded                    | Shielded                       |
| Voltage Rating                       | 30V                            |
| 1.0 - 2000MHz Impedance ( $\Omega$ ) | 100 $\pm$ 15                   |
| Maximum Operating Frequency          | 2000MHz                        |
| Operating & Storage Temp.            | -40°C to 60°C   -40°F to 140°F |
| Installation Temp.                   | -20°C to 60°C   -4°F to 140°F  |
| Jacket Color                         | Purple                         |

Technical drawing of a 25/40GBase-T CAT 8 patch cable. The drawing shows the cable with RJ45 connectors on both ends, labeled P1 and P2. Dimensions are provided for the connectors and the cable length. The cable length is labeled  $L \pm Tmm$ . The drawing also includes a marking: 25/40GBase-T CAT 8 - 2000MHz S/FTP PIMF PATCH CABLE CM PVC. A table lists the cable part numbers and colors: White = WT, Gray = GY, Black = BK, Blue = BL, Green = GN, Purple = PU, Yellow = YW, Orange = OR, Red = RD.

| Cable Part No. | Color |
|----------------|-------|
| White          | WT    |
| Gray           | GY    |
| Black          | BK    |
| Blue           | BL    |
| Green          | GN    |
| Purple         | PU    |
| Yellow         | YW    |
| Orange         | OR    |
| Red            | RD    |



| PINOUT |              |    |
|--------|--------------|----|
| P1     | WIRE         | P2 |
| 1      | WHITE/ORANGE | 1  |
| 2      | ORANGE       | 2  |
| 3      | WHITE/GREEN  | 3  |
| 6      | GREEN        | 6  |
| 5      | WHITE/BLUE   | 5  |
| 4      | BLUE         | 4  |
| 7      | WHITE/BROWN  | 7  |
| 8      | BROWN        | 8  |
| S      | SHIELDED     | S  |

|                          |                         |
|--------------------------|-------------------------|
| orange 1<br>white/orange | green 2<br>white/orange |
| blue 3<br>white/blue     | brown 4<br>white/brown  |

|     |           |                                                                           |     |      |
|-----|-----------|---------------------------------------------------------------------------|-----|------|
| ③   | RJ45 PLUG | 8P8C 50U' GOLD PLATED TWO-PIECE PLUG; SHIELDED NICKEL PLATING             |     |      |
| ②   | MOLDED    | Assembled boot                                                            |     |      |
| ①   | CABLE     | CAT8 S/FTP [1P/24AWG(7*0.20BC)+AL]*4+BRAID(16*8/0.12AL-MG) OD=Ø7.9±0.20MM |     |      |
| NO. | PART NAME | SPECIFICATION DESCRIPTION                                                 | QTY | UNIT |

Dimensions: Millimeters (Inches)

## Part Number Table

| Part Number | Description                                                                      |
|-------------|----------------------------------------------------------------------------------|
| CAT8-00PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 0.50' (152.4mm) Double Shielded |
| CAT8-01PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 1.00' (304.8mm) Double Shielded |
| CAT8-02PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 2.00' (609.6mm) Double Shielded |
| CAT8-03PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 3.00' (914.4mm) Double Shielded |
| CAT8-05PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 5.00' (1.52m) Double Shielded   |
| CAT8-07PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 7.00' (2.13m) Double Shielded   |
| CAT8-10PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 10.00' (3.05m) Double Shielded  |
| CAT8-15PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 15.00' (4.57m) Double Shielded  |
| CAT8-25PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 25.00' (7.62m) Double Shielded  |
| CAT8-35PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 35.00' (10.67m) Double Shielded |
| CAT8-50PU   | Modular Cable Plug to Plug 8p8c (RJ45, Ethernet) 50.00' (15.24m) Double Shielded |

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