

Cat.8 S/FTP 24AWG PCB Patch Cord



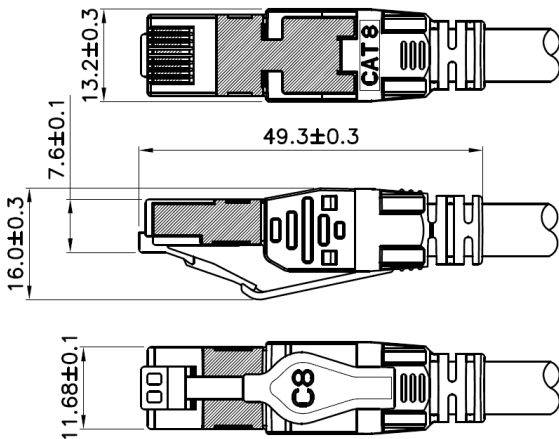
Features

- PCB compensation design for Cat.8 patch cord requirement
- GHMT verified ISO/IEC11801-1 Class I up to 2000MHz
- 100% Cat.8 performance tested in factory
- Perfect EMC performance, robust and durable structure by the Full-Shielded plug design and S/FTP cable
- Power over HDBaseT™ (PoH) applications up to 100 watts

Standard Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1, Class I
- IEC 60603-7-1
- IEEE 802.3bt type 4 PoE++(4PPoE) 100 watts
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL444
- IEC 61935-2
- IEC 60512-99-002
- RoHS /REACH compliant

Dimensions (mm)

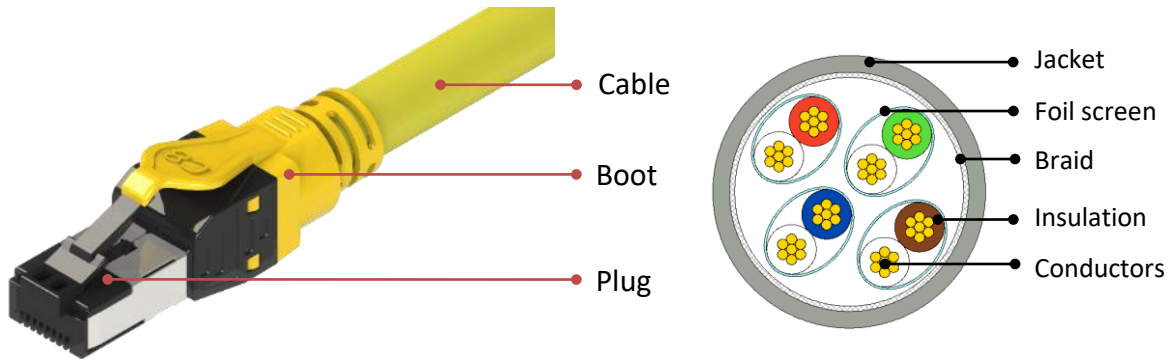


Length Information, at 20 °C

- **Length Available :**
 2-connector 30m Channel: 1m to 5m
 Point to Point (w/o Perm. Link): 0.3m to 30m

30m Channel Linking Information:

| Cord A | Perm. Link | Cord B | Performance |
|--------|------------|--------|-----------------|
| 1m | 24m | 5m | Channel & 4PPoE |
| 2m | 24m | 4m | Channel & 4PPoE |
| 3m | 24m | 3m | Channel & 4PPoE |
| 2m | 26m | 2m | Channel & 4PPoE |



Specifications

Patch cord (IEC 61935-2, Patch Cord Reliability)

| | |
|--------------------------|--|
| • Life (mating cycles) | Min. 750 cycles |
| • Pulling tension | 50N for 60sec. |
| • Strain relief | 50N for 60sec. in all direction |
| • Flexing | 2N for 500 cycles, 20cycles per 60sec. |
| • Bend radius | Min. 58.4mm, 8x of cable O.D. |
| • Insulation resistance | ≥ 500 MΩ at 100 Vd.c., for 60sec. |
| • Voltage proof | Contact to contact 1000 Vd.c., contact to shield 1500Vd.c., for 60sec. |
| • Installing temperature | 0°C to 50°C (32°F to 122°F) |
| • Storage temperature | -40°C to 70°C (-40°F to 158°F), under static conditions |
| • Operating temperature | -10°C to 60°C (14°F to 140°F), under static conditions |

Cable

| | |
|---------------------------|---|
| • Conductors | Bare copper, 24AWG, 7 x 0.192±0.005mm |
| • Insulation | Foam PE, OD 1.4±0.03mm |
| • Foil Screen | Aluminum / PET on each pair |
| • Braid | Tin plated copper, min. 30% coverage |
| • Drain wire | n/a |
| • Jacket | 0.65mm(nominal) thickness, OD 7.3±0.2mm |
| • Cross filler(separator) | n/a |

Cable Marking

| | |
|------|--|
| • CM | S/FTP PATCH CABLE 24AWG 4PR E178558 C(UL)US TYPE CM 75°C ISO/IEC 11801 CLASS I & ANSI/TIA-568.2-D CAT.8 XXXXXXXX-X |
|------|--|

Plug

| | |
|-----------------------|--|
| • Conductors | Min. 0.3mm thickness phosphor bronze |
| • Gold plating | 50 micro-inch gold plating over 50 micro-inch nickel plating on contact area |
| • Housing | PC, UL rated |
| • Shield | Brass with nickel plating |
| • Contact resistances | ≤ 20mΩ |
| • PCB | UL rated |

Boot

| | |
|-----------------|----------------------------|
| • Assembly boot | PC, UL rated, yellow color |
|-----------------|----------------------------|