

Cat.8 S/FTP 24AWG PCB Patch Cord



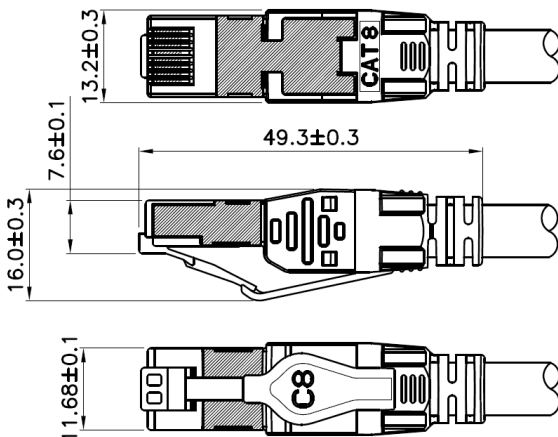
Features

- 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
- IEC 60512-99-002
- IEEE 802.3bt type 4 PoE++(4PPoE) 100 watts
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 61935-2
- IEC 61034-2 Smoke
- IEC 60754-2 Halogen / Acid
- RoHS /REACH compliant

Dimensions (mm)



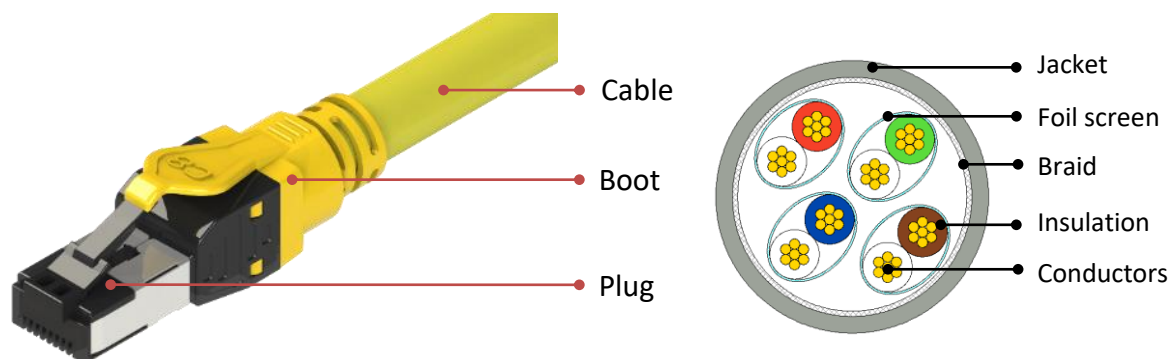
Length Information, at 20 °C

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

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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

Printing on the cable

• LSZH	S/FTP PATCH CABLE 24AWG 4PR LSZH ISO/IEC 11801 CLASS I & ANSI/TIA-568.2-D CAT.8 XXXXXXXX-X
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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
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