

CAT6A FTP Field Termination Plug

JFTPC6ASH-SB



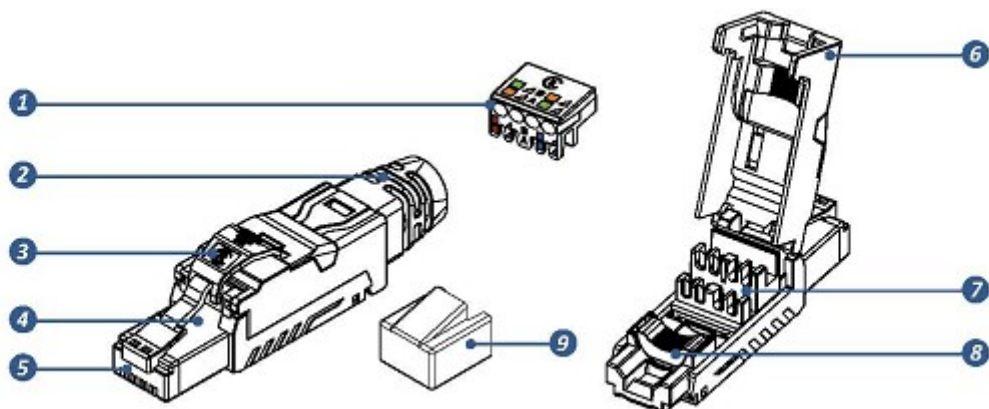
DESCRIPTION

- High-Density and extreme performance by PCB compensation design for Hyper-Scale and Edge Data Centre.
- Tool-Free structure design support easy and quick in-field termination, T568A & B wiring
- Power over HDBaseT™ (PoH) applications up to 100 W
- IP20 performance by the Dust-Cap and Snap-in boot design
- UL 1863 verified

MECHANICAL CHARACTERISTICS

- Life (Mating cycles)
- Mating/Un-mating EC
- Retention Strength
- ≥ 750 cycles
- ≤ 30 N
- 7.7 kg between jack and plug

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|----------------------------|--|
| • Wire conductor range | Solid and stranded, Cat6A type 23-26 AWG |
| • Cable O.D range | 5.6 - 8.5 mm |
| • IDC re-installing cycles | ≥ 20 cycles |
| • Installing temperature | 0°C to 50°C (32°F to 122°F) |
| • Storage temperature | -40°C to 70°C (-40°F to 158°F) |
| • Operating temperature | -10°C to 60°C (14°F to 140°F) |
| • Humidity | 10% to 90% RH |



PRODUCT SPECIFICATIONS

| Parts | Specifications |
|---------------------------------|---|
| 1. Wire management bar (DC-Cap) | Polycarbonate, UL94V-2 white colour |
| 2. Boot | |
| 2-1. SR-A | Polycarbonate, UL94V-2, transparent colour, O.D. 9.0 mm |
| 2-2. SR-B | Polycarbonate, UL94V-2, transparent colour, O.D 7.3 mm |
| 3. Extractor | Polycarbonate, UL94V-2, black colour |
| 4. Housing | Zinc Die-Casting with nickel plating |
| 5. RJ45 plug | |
| 5-1. Housing | Polycarbonate, UL94V-2, transparent yellow colour |
| 5-2. Contacts material | Phosphor bronze with nickel plating |
| 5-3. Contacts gold plating | 50 micro-inch gold plating on surface plug contact area |
| 6. Cover | Zinc Die-Casting with nickel plating |
| 7. IDC | |
| 7-1. Housing | Polycarbonate, UL94V-2, white colour |
| 7-2. Terminals | Copper-alloy with tin plating |
| 8. Grounding contacts | Zinc Die-Casting with nickel plating |
| 9. Dust-Cap | PE, black colour |
| 10. PCB | FR4, UL94V-0 |
| 11. Copper foil tape | |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------|--|
| Contact resistance | $\leq 20\text{m}\Omega$ from initial |
| Insulation resistance | $\geq 500\text{ M}\Omega$ at 100 Vdc, for 60s |
| Voltage prof | Contact to contact 1000 Vdc, contact to shield 1500 Vdc, for 60s |
| Current carrying capacity | 1.0 A to 60°C |
| UL voltage rating | 150V |
| PoE | 60 Vdc, 4PPoE 100 W, IEEE802.3bt type 4 |

