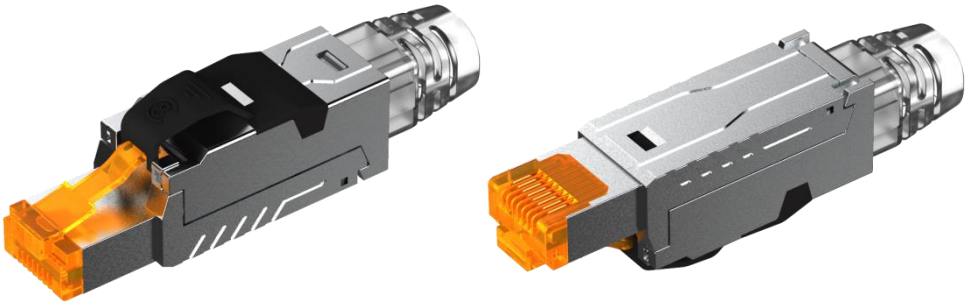
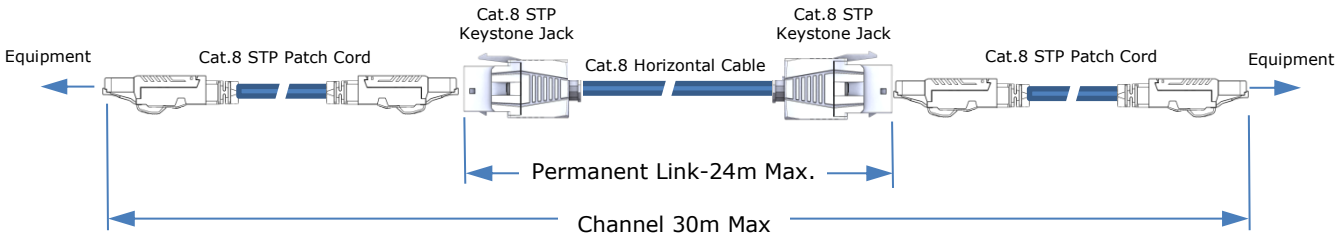
Cat.8 Shielded Field Termination Plug

Description



RiT's CAT8 Shielded field termination plug are cost-effective building blocks for your cabling system. Meticulously engineered to deliver exceptional performance while streamlining installations. Phosphor bronze IDC contacts ensure excellent conductivity, durability, and outstanding resistance against wear or corrosion. With innovative Plug design, keeps pairs together to streamline the installation process. High quality connectors ensure system reliability and stability by press-fit assembly process.



Channel configuration per ANSI/TIA 568.2-D

Cat.8 Shielded Field Termination Plug *Features*

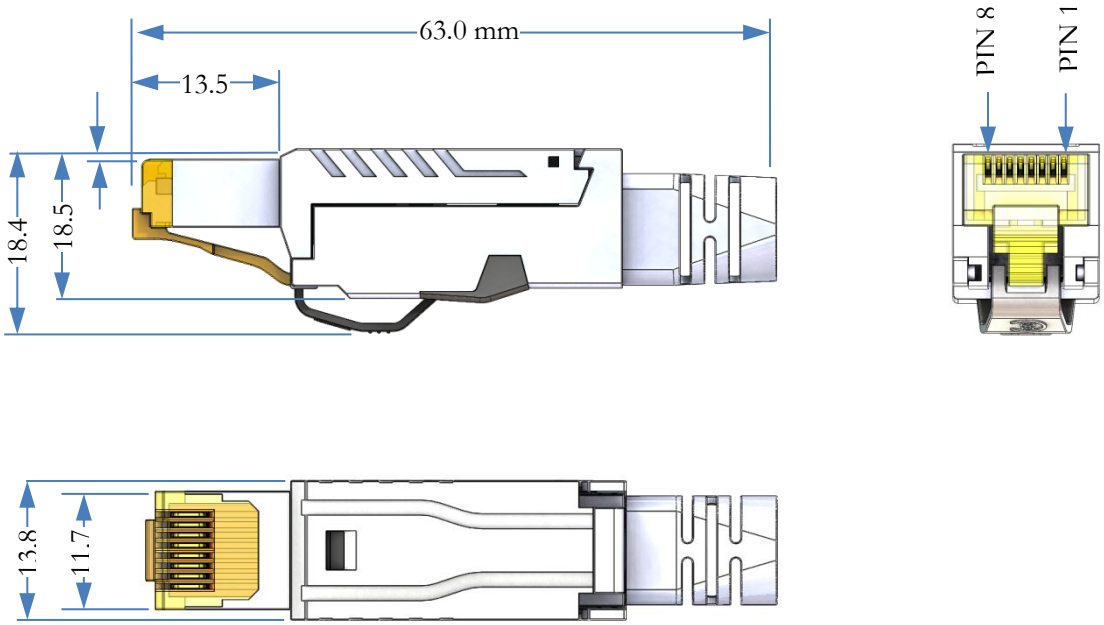
- Compact RJ45 Keystone design to support HD installations up to 48 keystones in 1U rack space
- Cat.8 Performance to supports high-speed protocols: 25GBASE-T and 40GBASE-T up to 30 Meters
- Supports 22-24 AWG solid and Stranded wires and up to ø 9.0mm O.D. cables
- Fully shielded metal housing provides immunity against EMI and alien crosstalk
- Gold-Plated Nickel Contacts Provide Corrosion Resistance and Signal Conductivity
- Fully backward compatible with Category 6A
- Reliable Connector, and Durable Housing
- Easy to Read Wiring Label to Facilitate Installation
- Optimized for Power Over Ethernet IEEE 802.3bt (4PPoE)Type 3(60W) and Type 4 (100W)
- Power over HDBaseT (PoH) - up to 100W
- IEC60603-7-5 dimensions and structural reliability complied
- Suitable for data centers and backbone installations
- Meets and exceeds Category 8 electrical transmission channel configuration performance per ANSI/TIA/EIA-568.2-D and ISO/IEC 11801-9901

Cat.8 Shielded Field Termination Plug
Specifications

RJ45 Plug Metal covers	Zinc die-casting with nickel plated
RJ45 Plug plastic housing	PC, UL 94-V0, Color : Clear
RJ45 Plug contacts	Phosphor bronze with nickel plated
RJ45 Plug Contacts finish:	50 micro-inch gold plated on plug contact area
RJ45 Plug Boot	PC, UL 94-V0, Color : Clear
IDC Plastic housing:	PC, Color: White, UL 94V-0
IDC Metal Contacts:	Titanium Copper, Tin plated
Grounding spring contact:	Zinc die-casting with nickel plated
PCB:	FR4, UL94 V0
EMI Shielding:	Back adhesive Copper foil tape
Plastic Wire Organizer:	PC, Color: White, UL 94V-0
Dimensions (WxDxH)	13.8mm x63.0mm x18.4mm
RoHS	Yes
Wiring:	T568A & T568B
RJ45 Jack Dimensions:	According to IEC 60603-7-5
Rj45 Plug Insertion force:	3.1 Kg Max according to IEC 60603-7-81
Patch Cord retention strength:	7.7 Kg Max. according to IEC 60603-7-5
IDC Conductors:	Accepts 22-24 AWG solid and Stranded wires
Operating Temperature:	-10 °C to +60 °C per ISO/IEC 11801-9901 Class1
RJ45 Jack Durability:	≥750 Plug-Jack mating cycles per IEC 60603-7-81
IDC Durability:	≥20 Termination cycles
Reference Standards:	RoHS Compliant ISO/IEC 11801; ANSI/TIA/EIA-568.2-D IEC 60512-99-002 PoE type III 60W and IV 100W IEC 60603-7

Cat.8 Shielded Field Termination Plug

Drawing

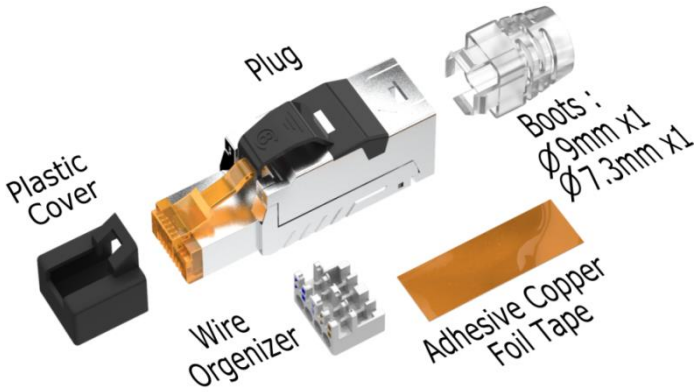


Cat.8 Shielded Field Termination Plug

Ordering Information

Part Number	Description
R3298001	CAT8 STP Field Termination Plug

Cat.8 STP CAT8 STP Filed Termination Plug is compatible with the following RiT panels:

Part Number	Description	Max. Capacity
R3735082	Keystone Copper Frame, STP, 24P, 1U	24 keystones in 1 row
R2801623	Angled Copper Frame, STP, 24P, 1U, Label Cover	24 keystones in 1 row
R2801624	Angled Copper Frame, STP, 24P, 1U	24 keystones in 1 row
R2801611	Copper Frame, UTP/STP, HD, 48P, 1U	48 keystones in 2 rows

Kit contents:
Cat8 STP Plus x1
Wire Organizer x1
Boot ø7.3 x1
Boot ø9.0 x1
Plastic Cover x1
Adhesive Copper Foil Tape x1