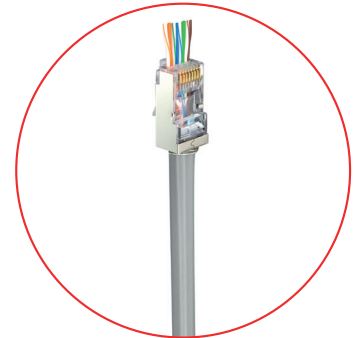# Product Data Sheet
Simply45® – CAT5SE STP

Description

Simply45® is the industry-leading brand for RJ45 modular plug innovation and performance solutions.

Single Piece Design. The S45-1550 is a single piece fully shielded with an internal ground pass-through RJ45 modular plug for shielded (STP) LAN cables. No-load bar required. Supports performance standards: ANSI/TIA 568.2-D for Cat5e; ISO/IEC 11801 Class D; and applicable patch cord standards for Cat6a, Cat6, and Cat5e.

3 Prong Pin Design with 50μ of True 24ct Gold Plating. All Simply45® pass-through RJ45 modular plugs uses only 50μ 24ct gold plated 3-Prong pin design instead of a 2-Prong design as found on most other pass-through RJ45 modular plugs. A 3-Prong pin provides 3 points of contact with the copper wire conductor instead of 2. This improves electrical performance and signal integrity. A 3-prong pin also holds stronger onto the wire conductors.

Solid and Stranded LAN Cables. The S45-1550 is ideal for most Cat5e STP (shielded twisted pair) solid 24 AWG LAN cables up to 1.05mm (0.041"). The S45-1550 also works great with stranded shielded LAN cables such as used on patch cords/leads. The S45-1550 works with most 28-26 AWG (0.95mm – 1.05mm) stranded shielded Cat6a, Cat6, and Cat5e stranded shielded LAN cables.

Straight-Line Wire Insert. LAN cable wire conductors are easily inserted in a straight-line arrangement out through the front of the RJ45 pass-through modular plug. The S45-1550 accommodates 24 AWG Solid and 28-26 AWG stranded LAN cable wire conductor sizes 0.95mm – 1.05mm (0.037" – 0.041") with a maximum LAN cable OD of 6.5mm (0.255"). For larger shielded STP wire conductor sizes or larger LAN cable OD found on Cat6 STP and Shielded 10G LAN cables, please refer to our Simply45® part S45-1755P.

Improved Crosstalk Performance. The unique internal design of the S45-1550 pass-through RJ45 modular plug allows the LAN cable to be inserted further into the RJ45 plug. This reduces the length of untwisted wires improving NEXT performance. The S45-1550 accommodates most Cat5e STP LAN cables. If your shielded LAN cable has a larger wire conductor OD than the typical Cat5e shielded STP, we recommend using our part S45-1755P shielded pass-through RJ45 modular plugs.

Commercial Rated. These RJ45 mod plugs are UL94 V0 (IEC 60695-11-10) rated for all commercial installations. These RJ45 mod plugs are recommended for CMP Plenum, CMR, CM; and LSZH up to B2ca rated LAN cables.

Color Tinted RJ45 Modular Plugs. The S45-1550 comes with a light blue tinted plug with overall internal ground shielding for easy pass-through RJ45 modular plug identification. No more trouble identifying which plug is which. All Simply45® RJ45 modular plugs are color-coded for easy identification.

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Convenient Plastic Jar. The S45-1550 comes in a convenient 50pc plastic jar with a white jar cap.

UL Listed. The FA-65- pass-through RJ45 modular plugs are UL Listed and bear the UL Logo on the Simply45® packaging. Only Simply45® provides the UL Listed logo for quality and safety on pass-through RJ45 modular plugs.

PoE/PoH Rated. The S45-1550 is ideal for PoE/PoH applications. The S45-1550 is fully shielded; uses the correct 3-Prong Pin design; true 24ct gold plated pins, and is made using the highest quality materials for RJ45 modular plugs. This all ensures lower resistance and less heat build-up than cheaper made RJ45 that are out on the market.

Compliant with Industry Standards. ANSI/TIA 568.2-D, 1096-A; ISO/IEC 11801, 60603-7, 8877:1992; FCC

Product	SKU
CAT5E STP PASS THROUGH RJ45 PLUG	FA-06-1550

Technical Specification

CAT5E STP Specification

Performance: Meets or Exceeds ANSI/TIA 568-D.2; ISO/IEC 11801 Class D; ANSI/TIA 1096-A; IEC 60603-7	Shielded Material: Hard Brass
Wire Cond(s) OD: 24 AWG Solid/ 28-26 AWG Stranded: 0.95mm - 1.05mm (0.037" - 0.041")	Shielded Plating: 80 Micro-Inch minimum Nickel Plating
Max Cable OD: 6.5mm (0.255")	Plug Tolerances and Dimensions: Meets ANSI/TIA-1096-A specifications (formerly FCC Part 68)
Supports PoE/PoH: Yes	Conductor Type(s): Solid and Stranded
Cable Fire Resistance Ratings: Commercial Rated, CMP, CMR, CM, CMX, LSZH up to B2ca EuroClass	Operating Temperature: -40º C to +70º C
Flame Autoextinguish: UL94 V0, IEC 60695-11-10	Insertion/Extraction Life: 2000 Minimum Cycles
Contact Material: Phosphor Bronze - .012" thick	Contact Resistance: 20 Milli-Ohms maximum
Contact Plating: Min 50 Micro-Inch Pure Gold - 24 Carat Hard Gold Plate in contact area over 100 Micro-Inch Min	Current/Voltage: 30 VAC/42 VDC at 1.5 Amps
Nickel Plating. Exceeds ANSI/TIA-1096-A specifications (formerly FCC Part 68)	Compliance: UL Listed, RoHS, FCC, NEC, TAA
Plug Material: Polycarbonate	