Manuals+ — User Manuals Simplified.

Simply45 S45-1700P ProSeries Pass-Through RJ45 Modular Plugs Instructions
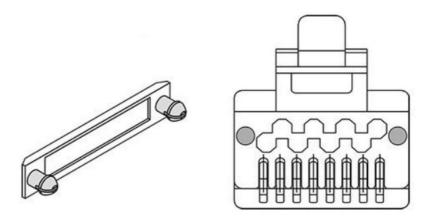
Contents

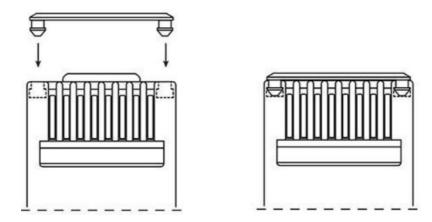**Simply45 S45-1700P ProSeries Pass-Through RJ45 Modular Plugs**

Congratulations on purchasing Simply45's ProSeries Pass-Through RJ45 modular plugs for UTP (unshielded) LAN cables. Our ProSeries Pass-Through RJ45 plugs include the uniquely designed and patented Cap450 (PATENT 10,811,831 B1).

Patent Pending

- **STEP 1**

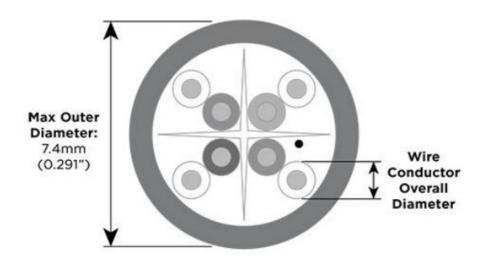 Align the 2 posts on the Cap45@ with the 2 holes on the front of the plug.

- **STEP 2**
    - Push the posts into the plug until the Cap45® is snug to the plug body.
    - Best Practice Termination Guide
    - The $45-1700P Simply45 ProSeries Pass-Through UTP (Unshielded) RJ45 mod plugs are designed to work "Simply Better" and also improve termination performance. The S45-1700P RJ45 plugs are uniquely designed to provide greater electrical conductivity and improved cross-talk performance; all critical to supporting today's LAN cable applications.
    - For improved termination performance, please follow these Step by Step Instructions for terminating the $45-1700P Simply45 ProSeries Pass-Through Plugs for UTP (unshielded) LAN cables.

Wiring Chart

T568A	1	2	3	4
	W/G	G	W/O	BL
	5	6	7	8
	W/BL	O	W/BR	BR

T568B	1	2	3	4
	W/O	O	W/G	BL
	5	6	7	8
	W/BL	G	W/BR	BR
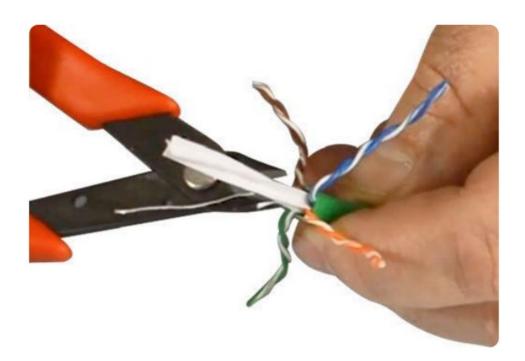
S45-170OP LAN CABLE Specifications UTP/Unshielded

Max Outer Diameter: 7.4mm (0.291")

Wire Conductor Overall Diameter

Wire Conductor Diameter Size Range:
23 AWG: 1.05mm - 1.20mm (0.041" - 0.047")

- **STEP 1**

  If using Cató UTP cable, trim center spline/pair separator as close to the cable jacket as possible without nicking any of the wire conductors
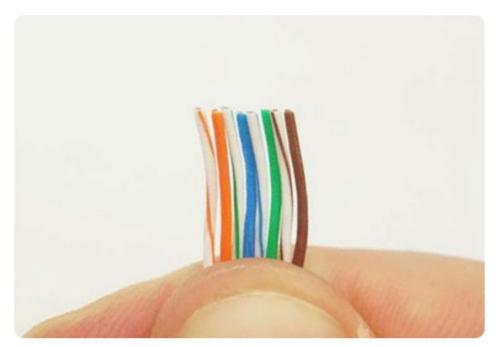
- **STEP 2**

  Make sure each wire conductor is straight. We recommend using the Simply450 Adjustable LAN Cable Stripper that has a wire straightener comb on the top.

- **STEP 3**

  Then straighten and align wires to correct alignment pattern (Type A or B). The B Pattern is most commonly used today. Using an angled flush cutter tool, trim wire ends straight before inserting into the load bar.

- **STEP 4**

  The $45-1700P plug uses a Hi/Lo wire layout. Insert the pattern-aligned wires into the rear of the plug and push them out through the front of the plug. Then verify that the wires are still in the correct pattern alignment.

- **STEP 5**

  Push the plug down and over the cable jacket. (fig 1) The Simply45 ProSeries plug is designed to allow the cable to be inserted deeper into the plug than other brand RJ45 plugs. Notice in the picture (fig 2) that the cable jacket should come to the horizontal line underneath the plug. This is very important as you want to minimize the length of the untwisted wires. This design improves signal integrity and negates crosstalk interference
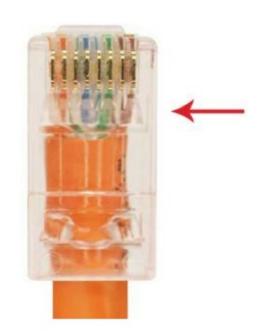

Fig. 1

Fig. 2

- **STEP 6**

  Insert the loaded plug into the crimping socket on the Simply45 crimp tool. Make sure plug is fully inserted.
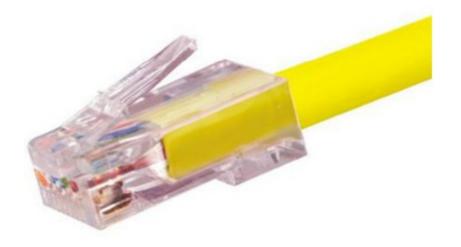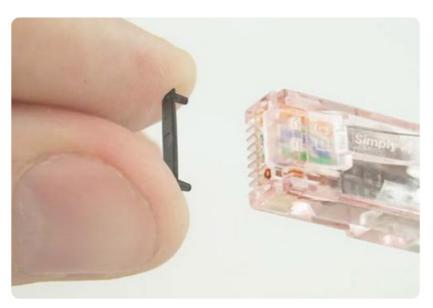
- **STEP 7**

  Firmly and in one quick and steady motion fully compress the crimper handles until it releases. The Simplv45 crimpers are ratcheted. This means that the tool handles will not release until the full and Complete crimping cycle has been completed.

- **STEP 8**

  Inspect the terminated plug to be sure wires have been properly trimmed. Then attach Cap45@ to the plug following the instructions indicated before.

Documents / Resources

Best Practice Termination Instructions	**Simply45 S45-1700P ProSeries Pass-Through RJ45 Modular Plugs** [pdf] Instructions S45-1700P, ProSeries Pass-Through RJ45 Modular Plugs, S45-1700P ProSeries Pass-Through RJ45 Modular Plugs, RJ45 Modular Plugs, Modular Plugs, Plugs