



Termination Instructions

PN: FA-02-1750

Cap45® (PATENT 10,811,831 B1)

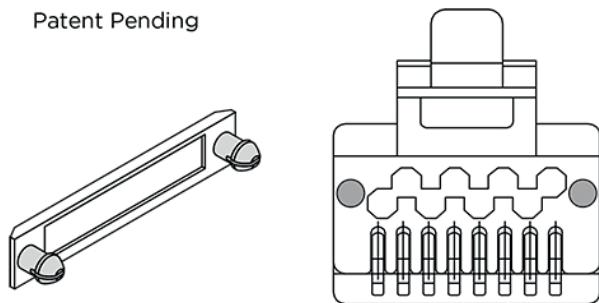
Cap45® is an isolation cap/bar that snaps onto the front of the pass-through RJ45 plug after termination covering the exposed wire's ends. Cap45® prevents electrical shorting in the RJ45 mod socket due to improperly trimmed wire ends touching the socket walls.

With other brands pass-through RJ45 mod plugs, there is a risk that the wire ends after termination are not correctly trimmed flush to the plug. This risk is why some manufacturer brands discourage the use of pass-through RJ45s and some network systems cannot be certified if using pass-through plugs.

With Simply45® ProSeries' Cap45® these risks are eliminated. That is why Simply45 ProSeries Pass Through RJ45 Modular Plugs are the recommended pass-through plugs for commercial applications, HDBaseT, PoE/PoH, and all commercial & residential certified systems.

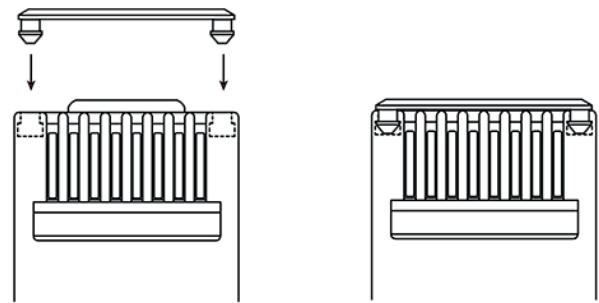
STEP 1

Patent Pending



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

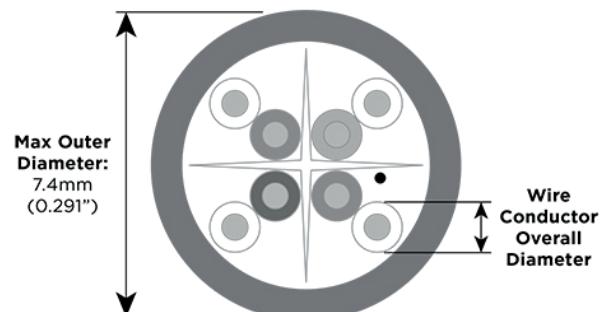
The S45-1700P Simply45 ProSeries Pass-Through UTP (Unshielded) RJ45 mod plugs are designed to work "Simply Better" and also improve termination performance. The S45-1700P RJ45 plugs are uniquely designed to provide greater electrical conductivity and improved cross-talk performance; all critical to supporting today's LAN cable applications.

For improved termination performance, please follow these Step by Step Instructions for terminating the S45-1700P Simply45 ProSeries Pass-Through Plugs for UTP (unshielded) LAN cables.

Wiring Chart

	1	2	3	4
T568A	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

S45-1700P LAN CABLE Specifications UTP/ Unshielded



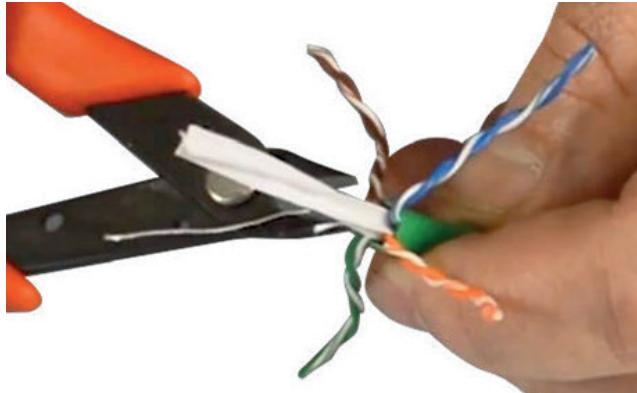
Wire Conductor Diameter Size Range:
23 AWG: 1.05mm - 1.20mm (0.041" - 0.047")



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STEP 1



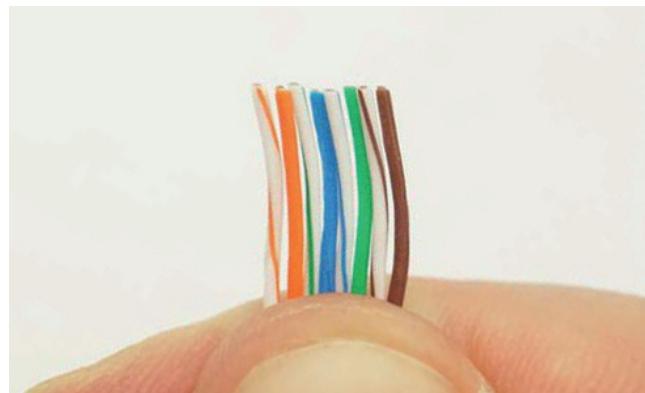
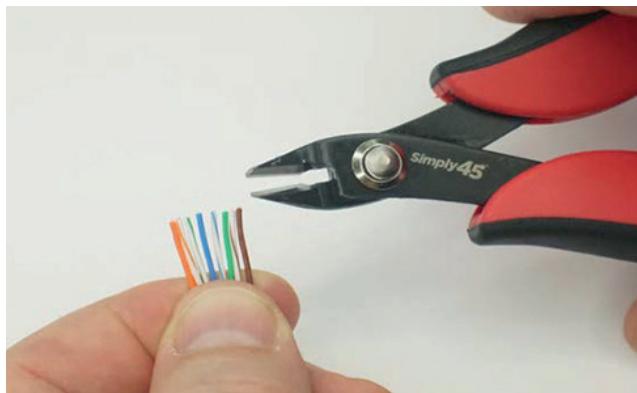
If using Cat6 UTP cable, trim center spline/pair separator as close to the cable jacket as possible without nicking any of the wire conductors.

STEP 2



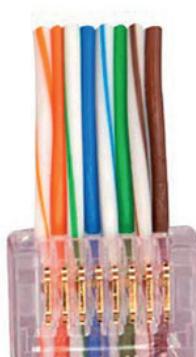
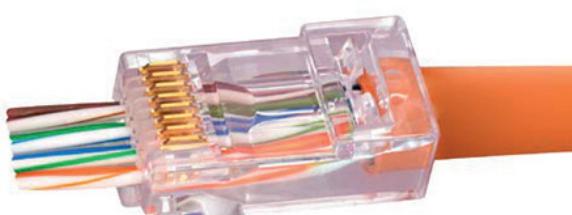
Make sure each wire conductor is straight. We recommend using the Simply45® Adjustable LAN Cable Stripper (Part No: MC-99-9950) that has a wire straightener comb on the top.

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 (such as Part No: ME-99-008), trim wire ends straight before inserting into the load bar.

STEP 4



The S45-1700P 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.



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STEP 5



Fig. 1

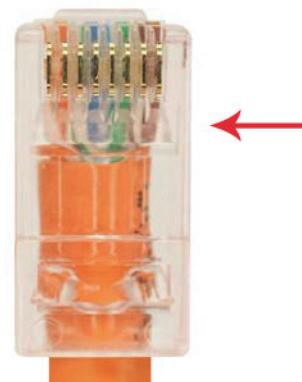


Fig. 2

STEP 6



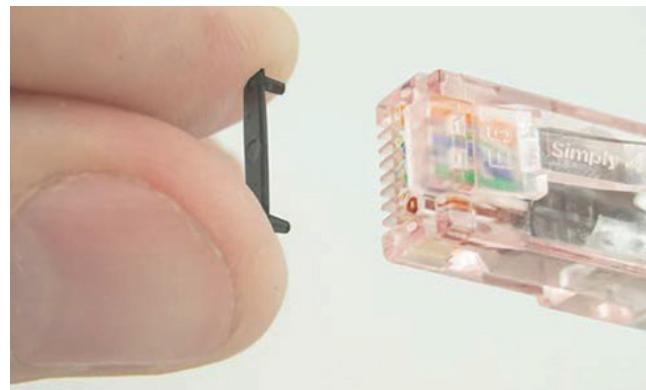
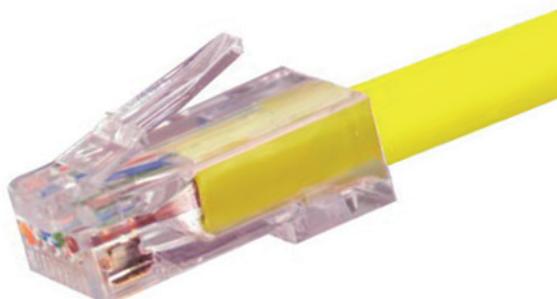
Insert the loaded plug into the crimping socket on the Simply45® crimp tool. Make sure plug is fully inserted.

STEP 7



Firmly and in one quick and steady motion fully compress the crimper handles until it releases. The Simply45® 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.