

Modular Strain-Relief Boots

RJ45 Strain Relief Boots for Cat5e Cat6 Cat6a Ethernet Patch Cords

**Key specifications**

Product Type	RJ45 strain relief boot / connector boot / plug cover
Connector Type	RJ45 8P8C modular plug
Compatible Cable Category	Cat5, Cat5e, Cat6, Cat6a, Cat7
Recommended Cable OD	5.5 mm - 7.0 mm (0.22" - 0.28")

Product summary

- Soft, flexible PVC strain relief boots for RJ45 8P8C modular plugs — fits Cat5e, Cat6, and Cat6a patch cords.
- Snagless clip-hood design protects the RJ45 latch tab from breaking or snagging during cable pulls.
- Relieves mechanical strain at the connector, reduces bending and vibration, and extends patch cord life.
- Dust, moisture, and oxidation protection for crimped RJ45 terminations.
- Fits cable outer diameters from approx. 5.5 mm to 7.0 mm (23–24 AWG round patch cable).
- Reusable, easy slide-on installation — no special tools required.
- Multiple colors available for cable organization and color-coding in server rooms and racks.
- OEM/ODM available: custom colors, custom molding, private-label packaging, low MOQ.

Product page:

<https://www.cnplugs.com/product/rj45-strain-relief-boots-cat5e-cat6-cat6a/>

Category: Modular Strain-Relief Boots

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Product details

RJ45 Connector Boots – Strain Relief Boots for Cat5e, Cat6 & Cat6a Patch Cords

RJ45 connector boots (also called RJ45 strain relief boots, RJ45 boot covers, or RJ45 cable plug covers) are flexible protective sleeves that fit over the crimped RJ45 8P8C modular plug of an Ethernet patch cord. Designed as a finishing accessory for custom-length Cat5e, Cat6, and Cat6a patch cables, these boots absorb mechanical stress at the connector body, guard the fragile latch clip against snagging, and give every termination a clean, professional finish. Supplied factory-direct from [PROUNTA's RJ45 connector product line](#), these boots are a low-cost way to dramatically improve the durability, reliability, and appearance of your installed network cabling.

What Are RJ45 Strain Relief Boots and Why Do You Need Them?

Every time an Ethernet cable is bent, pulled, or flexed, the connection point between the cable jacket and the RJ45 plug is the first place to fail. Over time, repeated bending loosens the wires inside the connector, cracks the cable jacket, and snaps the plastic latch tab that keeps the plug locked into a port. An RJ45 strain relief boot prevents all of these failures by creating a reinforced, flexible transition zone at the back of the plug.

Relieves Strain and Maintains Bend Radius

The boot controls the cable bend at the connector interface, keeping the bend within the radius required for the category rating. This protects the twisted pairs and reduces micro-movement of conductors that can cause intermittent connectivity and data loss, especially in high-frequency 10GBASE-T Cat6a installations.

Snagless Clip Protection

The integrated clip hood covers the RJ45 latch tab, so the boot cannot catch on cables, patch panels, or rack edges while being pulled through a bundle or duct. This prevents the most common cause of "broken tab" failures in modular connectors and makes unplugging from a port easier.

Dust, Moisture & Oxidation Defense

By covering the rear opening and strain-relief area of the plug, the boot keeps dust, humidity, and oxygen away from the crimped contacts and exposed cable jacket, extending the service life of the termination in both indoor and outdoor environments.

Key Features

High-Quality Soft PVC Material

Made from durable, flexible PVC, these boots stay soft and pliable across a wide temperature range, allowing easy installation and long-term flexibility without cracking. The material is RoHS-compliant and suitable for repeated reuse.

Easy Slide-On Installation

The boots slide over the cable before crimping and then lock onto the plug after termination. No tools, adhesives, or heat are required, and the boots are fully reusable, so they can be removed and repositioned if a patch cord is re-terminated.

Color-Coded Organization

Available in multiple colors — including black, white, blue, green, yellow, red, gray, and transparent — the boots make it easy to color-code cables by department, floor, VLAN, or cable length, simplifying maintenance and troubleshooting in server rooms and distribution frames.

Snagless Anti-Snag Design

A molded bump on the clip side protects the RJ45 release clip from being caught or broken during installation and removal, while still allowing one-hand unlatching from jacks and ports.

Compatibility

These strain relief boots are compatible with standard RJ45 8P8C modular plugs used for Cat5, Cat5e, Cat6, Cat6a, and Cat7 patch cables, including pass-through (feed-through / EZ) and shielded STP/FTP plugs from PROUNTA's [pass-through plug range](#) and [shielded Cat6a/Cat8 plugs](#). They fit round patch cable with an outer diameter of approximately 5.5 mm to 7.0 mm, which covers most 23–24 AWG UTP and STP cable construction. For best results, verify your cable OD before ordering.

How to Install RJ45 Boots

Slide the boot onto the cable first, with the larger opening facing the plug. Strip and prepare the cable jacket, then insert and crimp the RJ45 plug. Finally, slide the boot forward over the plug until it seats against the connector body and the latch hood covers the clip. The boot can be repositioned or removed anytime without damage.

Applications

These boots are widely used wherever custom-length patch cords are terminated on site, including data centers, server rooms, enterprise LANs, industrial Ethernet networks, IP camera (PoE) installs, telecom wiring, and OEM patch-cord manufacturing. They are an essential accessory when building professional, durable terminations with [standard Cat6 and Cat5e plugs](#) and [toolless field connectors](#).

Why Choose PROUNTA Boots & Accessories

Related Products

Technical specifications

Specification	Published value
Product Type	RJ45 strain relief boot / connector boot / plug cover
Connector Type	RJ45 8P8C modular plug
Compatible Cable Category	Cat5, Cat5e, Cat6, Cat6a, Cat7
Recommended Cable OD	5.5 mm – 7.0 mm (0.22" – 0.28")
Conductor / AWG Fit	23–24 AWG round patch cable (UTP / STP / FTP)
Material	Flexible PVC (RoHS-compliant)
Clip Protection	Integrated snagless latch-tab hood
Installation	Slide-on, tool-free, reusable
Available Colors	Black, white, blue, green, yellow, red, gray, transparent
Operating Temperature	Approx. -20°C to +70°C (material dependent)
Compliance	RoHS, REACH
Packaging	Bulk packs (e.g., 100 pcs/bag) or custom OEM packaging
OEM / ODM	Custom colors, custom molding, private-label packaging, low MOQ