Cat6a Class EA STP Field-Termination Plug, 568A/568B, TAA

MODEL NUMBER: **N232-SHC6A-1**



Allows you to terminate Cat6a cables in the field quickly and easily without the need for specialized tools.

Highlights

- Designed for fast, reliable field terminations with no special tools in PoE applications
- Supports PoE++ and high-power PoE to save you the expense of powering PoE devices individually
- Accommodates 22–27 AWG solid or stranded cabling in 6–9 mm diameters
- Versatile and durable die-cast zinc plug can be re-terminated as many as 20 times
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

N232-SHC6A-1 Cat6a Class EA STP Field-Termination Plug

Features

RJ45 Cat6a Plug Designed for Field Installation
This Cat6a RJ45 shielded plug simplifies the installation of devices in an above-ceiling application where installing a face plate isn't practical or where outlets, jacks and patch cables must be plenum rated. Modular Plug Terminated Link (MPTL) topology allows a Cat6a cable to be terminated to the N232-SHC6A-1, which then connects to a Type 3 or Type 4 PoE (Power over Ethernet) device, such as a WAP (Wireless Access Point) or surveillance camera.

Supports PoE++ Applications with up to 100W of Power
Connect high-power PoE devices such as video conferencing devices, laptops and flat screens, building management devices and more. The UL-compliant N232-SHC6A-1is 4PPoE (PoE++) compatible and IEEE 802.3bt compliant for PoE applications up to 100 watts.

Assembles Easily with No Special Tools Required
The die-cast zinc plug is made for fast, reliable terminations in the field with just a wire stripper/cutter. It accommodates 22–27 AWG solid or stranded cabling and 6–9 mm cable jacket diameters. Ideal for assembling high-performance patch cords in a hurry, the N232-SHC6A-1 can be re-terminated as many as 20 times. An IDC cap and dust cap are included.

Premium Protection from EMI/RFI and Other Noise Helps Your Equipment Perform Better
The fully shielded metal housing blocks disruptive EMI and RFI line noise that can disturb your electronics and inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

A Must-Have for Modern Data Centers
The durable zinc alloy and nickel-plated composition ensures your connection is built to last. A locking cylinder screws into place to ensure the installed cable remains secured.

TAA-Compliant for GSA Schedule Purchases
The N232-SHC6A-1 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332283382
Product Type	RJ45 Plug
Technology	Cat6a; PoE
CONNECTIONS	
PoE Capability	100W (802.3bt)
Side A - Connector 1	110 IDC
Side B - Connector 1	RJ45 (MALE)
Contact Plating	Gold
PoE Type	Type 4 High-Power (100W, IEEE 802.3bt)
Wiring Configuration	EIA/TIA 568A; EIA/TIA 568B
Connector Style	Straight
PHYSICAL	
Color	Silver
Material of Construction	PC FR, Zinc-Alloy, POM, POM, SUS304
Connector Color	Black
Cable Shielding	STP
Cable Outer Diameter (OD)	6 ~ 9mm
Wire Gauge (AWG)	27~22 AWG (reusable up to 5 times only for 27 AWG)
Termination Type	110-type
Unit Dimensions (hwd / in.)	0.663 x 1.850 x 0.476
Unit Dimensions (hwd / cm)	1.685 x 1.210 x 4.700
Unit Dimensions (hwd / mm)	16.85 x 12.10 x 47
Housing	RJ45 Plug Housing: Zinc-Alloy, Nickel Plated; IDC Housing Cover: PC FR; C-Ring: POM
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-40° to 158°F (-40°C to 70°C)
Relative Humidity	10% to 85% RH
COMMUNICATIONS	
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
IEEE Standards Supported	802.3bt
FEATURES & SPECIFICATIONS	

Cable Compatibility	UTP 27~22AWG Cat6a Patch Cables (6~9mm OD); 27AWG reusable up to 5 times
Ethernet Support	Yes
Recommended Category Cable	Cat6a (STP)
STANDARDS & COMPLIANCE	
Protection Rating	IP20
Product Certifications	CAN/CSA C22.2 No. 182.4-M90 (Canada); UL 1863; UL 2043
Product Compliance	CE (Europe); RoHS; UKCA; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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