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

MODEL NUMBER: **N232-USC6A-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 expense of powering PoE devices individually
- Accommodates 23-27 AWG solid or stranded cabling in 5.5-8.5 mm diameters
- Versatile glass-reinforced nylon 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-USC6A-1 Cat6a Class EA UTP Field-Termination Plug

Features

Tool-Free RJ45 Cat6a Plug Designed for Field Installation
This Cat6a RJ45 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. The clamshell design allows a Cat6a cable to be terminated to the N232-USC6A-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-USC6A-1 is 4PPoE (PoE++) compatible and IEEE 802.3bt compliant for PoE applications up to 100 watts.

Assembles Easily with No Special Tools Required
The N232-USC6A-1 is made for fast, reliable terminations in the field with just a wire stripper/cutter. It accommodates 23–27 AWG solid or stranded cabling and 5.5–8.5 mm cable jacket diameters. Ideal for assembling high-performance patch cords in a hurry, the N232-USC6A-1 can be re-terminated as many as 20 times.

A Must-Have for Modern Data Centers
The glass-reinforced nylon construction ensures your connection is built to last. The IDC module can be installed and uninstalled up to five times. A locking cylinder screws into place to ensure the installed cable remains secured.

TAA-Compliant for GSA Schedule Purchases
The N232-USC6A-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	037332283207

Product Type	RJ45 Plug
Technology	Cat6a
CONNECTIONS	
PoE Capability	100W (802.3bt)
PoE Supported Ports	1
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	Black
Material of Construction	Nylon, FR, Phosphor Bronze + Tin Plating
Connector Color	Black
Cable Shielding	UTP
Cable Outer Diameter (OD)	5.5-8.5mm
Wire Gauge (AWG)	27~23 AWG (reusable up to 5 times only for 27AWG)
Termination Type	110-type
Unit Dimensions (hwd / in.)	0.663 x 1.850 x 0.460
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: PA66+GF; IDC Housing Cover: PC FR
ENVIRONMENTAL	
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-40° to 158°F (-40° 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 27~23AWG Cat6a Patch Cables (5.5~8.5mm OD); 27AWG reusable up to 5 times
Ethernet Support	Yes

Recommended Category Cable	Cat6a (UTP)
Panel Applications	Ethernet
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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