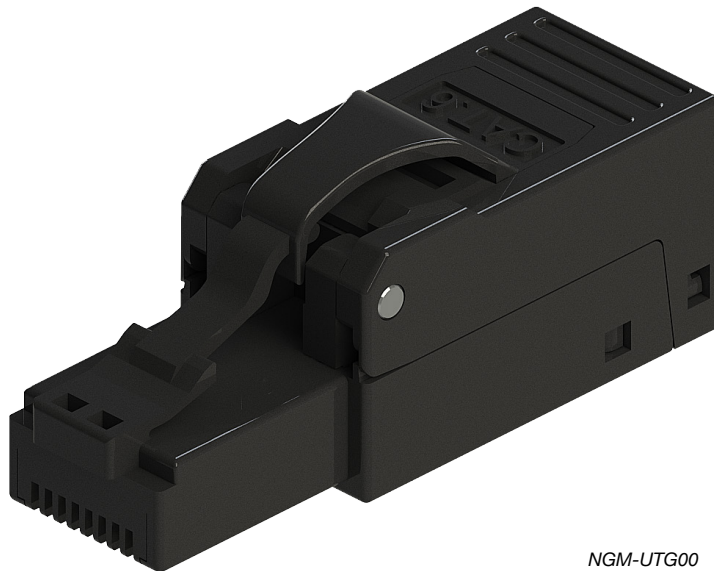


Modular Termination Plug

Cat.6, RJ45, unshielded



NGM-UTG00

Gold plated contacts of 30μ

In response to the expanding Internet of Things (IoT), Nexxt Solutions introduces the Cat6 Unshielded Modular Termination Plug, a cutting-edge structured cabling architecture. Approved by the TIA, it is a simple and cost-effective alternative to the traditional method of using equipment outlets or the typical keystone jack as the horizontal cable termination point. Its unique design allows for fast and tool-free termination in various field conditions, reducing installation issues and ensuring link integrity and performance. With direct plug-in to network devices, it is ideal for connecting Ethernet-based communication devices in private, public, and enterprise infrastructures. From wireless access points to security cameras and PoE lighting, the MPTL seamlessly supports the growing number of IoT devices.

Highlights

High-quality materials: The plug features an extractor, housing, RJ45 plug housing, cover, wire management bar, IDC housing, and clamp, all made of robust PC material with UL94V-2 certification, ensuring reliable performance and long-lasting durability.

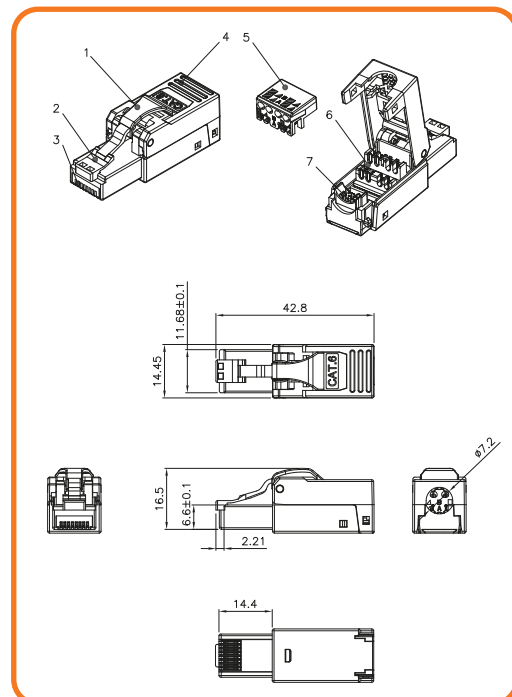
Hard-wearing contact design: The RJ45 plug contact material is made of phosphor bronze with nickel plating, while the contact finish has a minimum of 50 micro-inch gold plating on the surface contact area. This design ensures optimal conductivity, signal transmission and corrosion resistance for a secure connection.

Compliance and Wide Compatibility: This modular termination plug is compliant with IEC 60603-7 standards and is compatible with both T568A and T568B wiring schemes, making it the right match for seamless connections with various Cat6 jacks, and ensuring interoperability in different networking environments.

Long-lasting reliable performance: The Cat6 Unshielded Modular Termination Plug is designed for durability, with a minimum of 750 insertion cycles and a high retention strength with a minimum of 7.7 Kgs between the jack and plug, ensuring a secure connection. It also supports wire gauges ranging from 23-26AWG, accommodating both stranded and solid wires.

Easy Wire Management: The wire management bar, provides efficient arrangement of wires, ensuring tidy installations.

IDC Terminal: The IDC terminal is made of copper-alloy with tin plating, ensuring a strong and reliable connection between the plug and the wire.



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Modular Termination Plug

Cat.6, RJ45, unshielded

Technical specifications

MPN	NGM-UTG00
Product type	Cat6 Unshielded Modular Termination Plug
Other related products (MPNs)	AB356NXTxx, AB355NXTxx, AW190NXT06, AW191NXT06
Connector characteristics	
Extractor (1)	PC, UL94V-2, black color
Housing (2)	PC, UL94V-2, black color
RJ45 plug housing (3-1)	PC, UL94V-2, transparent yellow color
RJ45 plug contact material (3-2)	Phosphor bronze with nickel plated. 100 micro-inch nickel plated
RJ45 plug contact finish (3-3)	Min. 50 micro-inch gold plated on surface contact area
Cover (4)	PC, UL94V-2, black color
Wire management bar (5)	PC, UL94V-2, white color
IDC housing (6-1)	PC, UL94V-2, white color
IDC terminal (6-2)	Copper-alloy with tin plated terminal
Clamp (7)	PC, UL94V-2, black color
PCB (8)	UL94V-0, black color
Performance	
Jack compatibility	Compliant with IEC 60603-7
Wiring	T568A & T568B
Insertion cycles	750 min. (ISO/IEC 11801, IEC 60603-7-4)
Insertion force	20N max (IEC 60603-7-51)
Retention strength	7.7 Kgs between Jack and Plug
Wire size compatibility	23-26AWG stranded and solid wire
Wire OD compatibility	4.4 - 6.8 mm
IDC re-installing cycles	Min. 20 cycles
Contact resistance	20mΩ (maximum)
Input to output DC resistance	100mΩ (maximum)
Dielectric withstand voltage	1000 VDC contact to contact, 1500 VDC contact to shield
Current @ 25° C (77° F)	2A
Operating temperature	-10°C to 60°C (ISO/IEC 11801, ANSI/TIA/EIA-568-C.2)
Storage temperature	-40°C to 70°C
Environment protection	IP20
Transmission characteristics	
Transmission speed (Mbps)	5G
Bandwidth (MHz)	250MHz
Link max. distance (m)	90M
Certifications and standards	
International standards	RoHS, ISO 11801
UL certificate	UL 1863
Physical characteristics	
Product dimension	42.8x14.45x16.5mm
Product weight	6.8g
Product cu. ft	0.00036
Master pack dimension	48x39x25.3mm
Master pack weight	5.5kg
Master pack qty.	500
Inner pack qty.	50
Master pack cu. ft	1.67
Miscellaneous	
UPC	798302037069
Labeling	NEXXT SOLUTIONS CAT 6
Packaging	Plastic bag
Quantity per bag	1 unit
Warranty	Limited lifetime *

*For full warranty details, visit: www.nexxtsolutions.com/warranty

