

## NMC-RJ88SI2-NT-MT - Cat.8

NIKOMAX Connector RJ45/8P8C for twisted pair, Cat.8 (Class I), 1600 - 2000 MHz, T568B, Tool-less, Fully Shielded, Metallic

- ✓ Connectors with gold plated (50 micro-inch)
- ✓ Convenient self-tightening design
- ✓ Screened execution

RJ45/8P8C plugs are designed for termination of solid (single-core) and stranded (patch cord) cables in production of patch cords and in some cases while laying communication lines, for connecting CCTV cameras, etc.

NIKOMAX Self-clamping Field Toolless Plugs are designed specifically for use with high-speed cables and provide first-class transmission characteristics. Connectors can be used to stack server hardware, workstations, connect various specialized industrial equipment and CCTV cameras.

NMC-RJ88SI2-NT-MT (Cat.8) connector is made in cast, fully shielded zinc-aluminum alloy housings. They consist of a central insert with RJ45 plug and PCB with IDC, the body divided into two halves and a plastic shank for cable fixation. The cable shield is grounded to the spring-loaded contact in the rear of the housing, providing full electrical contact and further clamped by the shank to securely fix the cable behind the sheath. The supported thickness of the outer shell is 5 - 8.5 mm.

Connectors design makes it easy to crimp the cables without any specialized tools. Only diagonal cutters are needed to gently bite off excess wires. Supplied individually, in an individual polyethylene bag with perforation - similar to switching modules.

### FEATURES

- > Extreme performance design for Edge Data Center.
- > PCB Compensation design for further CAT.8 component requirement.
- > Easy field termination, T568A& B wiring.
- > Power over HDBaseT (POH) applications up to 100 watts.
- > CAT.8 design to support Ethernet at rates up to 40 Gbps (40GBASE-T) and 25Gbps (25GBASE-T) over distances up to 30 meters for switch-to-server connections in data center.
- > IEC60603-7 and ANSI/TIA-1096-A complied.



### Basic equipments:

Tool-less RJ45 plug

1pc.

The manufacturer reserves the right to change the appearance and characteristics of the product, without reducing its consumer properties

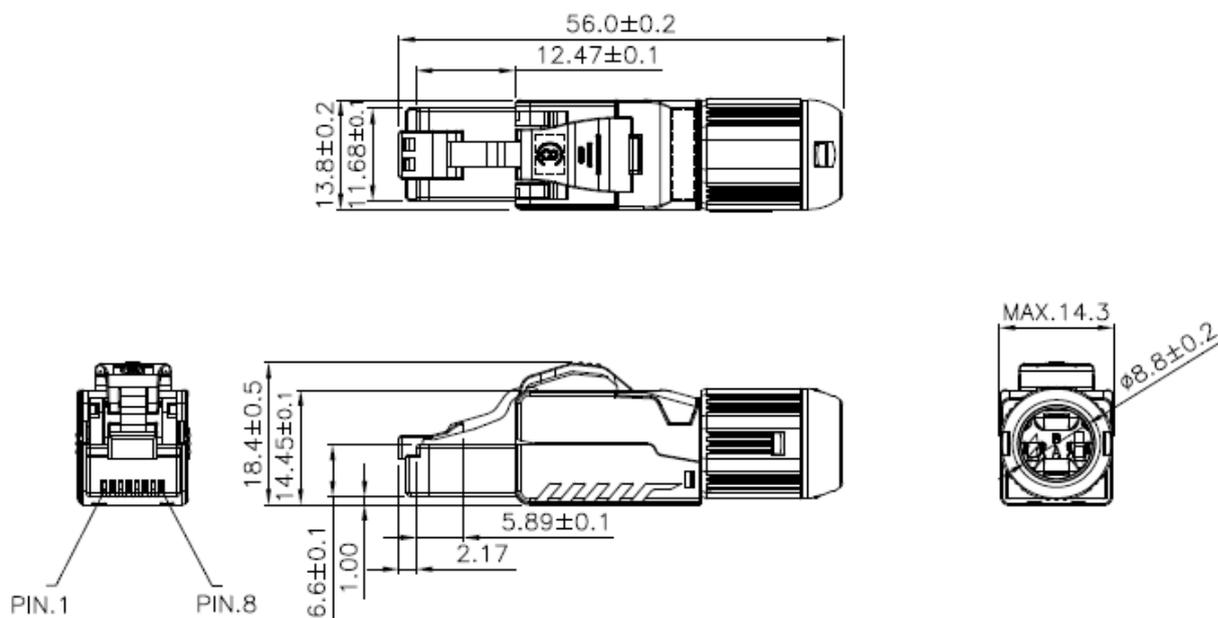
## Specification

Part Number	NMC-RJ88SI2-NT-MT
Type of Connector	RJ45/8P8C
Category	8
Bandwidth, Mhz	1600 - 2000
Connection style	Fully Shielded
Material of contacts	Phosphor bronze
Contact coating material	Gold (50 μinch)
Number of cable connections	750 cycles minimum
Type of IDC contacts (seal)	Toolless
Layout diagram	T568A/B
Permissible diameter of conductors	~ 24 - 22 AWG (0.500 - 0.64 mm)
IDC contact material	Phosphor bronze
IDC coating material	Tin (100 μinch)
Housing material	Zinc-aluminum alloy
Color	Metallic
Supported cable diameter	5 - 8.5 mm
Dimensions	55.3 x 15.0 x 13.8 mm
Insulation resistance	min. 500 MΩ (with 100 V DC)
Maximum load-bearing capacity	1000 V for 1 minute (DC, 60 Hz)
Compliance	Exceeds the requirements of the standards: ISO/IEC 11801, EN 50173 и TIA/EIA- 10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 10GBASE-T, 25GBASE-T, 40GBASE-T, ATM-25, ATM-51, ATM-155, 100VG-, AnyLan, TR-4, TR-16 Active, TR-16 Passive
Supported applications	Storage from -20 to +60 °C. Installation from 0 to +50 °C. Operation from -20 to +60 °C
Temperature ranges	1 year
Warranty	Individual - PE bag
Packaging	

## Order table

Part number	Cat.	Type	Individual Package		Group Package			Transport Package		
			Volume, m3	Weight, kg	Quantity	Dimensions	Weight	Quantity	Dimensions	Weight
NMC-RJ88SI2-NT-MT	8	Shielded	0.000154	0.022						

## Dimensional drawings



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