

NMC-RJ88SI2-NT-MT

Connector RJ45/8P8C for twisted pair, Cat.8 (Class I), tool-less, shielded, metallic



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.

Ordering Table

P/N	Cat.	Type.	Individual package		Collective package			Freight package		
			Volume, m3	Weight, kg	Quantity	Dimensions, mm	Weight, kg	Quantity	Dimensions, mm	Weight, kg
NMC-RJ88SI28		Shielded	0.000154	0.022	-	-	-	-	-	-

Detailed characteristics

Characteristic	Value
Category	8
Bandwidth, MHz	1600 - 2000
Connection style	Fully Shielded
Compliance	Exceeds the requirements of the standards: ISO/IEC 11801, EN 50173 и TIA/EIA- 10BA SE-T,
Supported applications	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
Warranty	1 year
Contact coating material	Gold (50 μinch)
Number of cable connections	750 cycles minimum
Type of IDC contacts (seal)	Toolless
Layout diagram	T568A/B
IDC coating material	Phosphor bronze
IDC coating material	Tin (100 μinch)
Protection level	Metallic
Insulation resistance	min. 500 MΩ (with 100 V DC)
Maximum load-bearing capacity	1000 V for 1 minute (DC, 60 Hz)
Permissible diameter of conductors	~ 24 - 22 AWG (0.500 - 0. 64 mm)
Housing material	Zinc-aluminum alloy
Packaging	Individual – PE bag
Supported cable diameter	5 - 8.5 mm
Connector type	RJ45/8P8C
Material of contacts	Phosphor bronze
Temperature range	Storage from -20 to +60 °C. Installation from 0 to +50 °C. Operation from -20 to +60 °C
Dimensions, mm	55.3 x 15.0 x 13.8