

PRODUCT DATA SHEET

Cat 5E Modular Plug

Description

The Nitrotel RJ45 Modular Plug was developed specifically for use with four twisted pair enhanced category 5 (Cat5e) cabling. Featuring insulation displacement contact (IDC) the RJ45 modular plug provides a reliable and easy termination process without the need to strip the wires. The plug's robust design allows the plug to withstand harsh environment factors such as extreme temperatures, humidity, and vibration. Based on the standard RJ45 pin the Nitrotel RJ45 Modular Plug is compatible with double UTP Cat5e cables and industry standardized RJ45 sockets.



Features

- 8-position, 8-wire, UTP modular plug exceeds ANSI/TIA568.2-D Category Cat5E performance requirements when properly terminated to Nitrotel Category 5E UTP copper cable.
- UL94V-0 rated clear polycarbonate housing.
- Rated to 1000 mating cycles.
- 50u" gold plated contacts.
- Crimps with any standard RJ-45 crimp die

Applications:

- Storage area networking (SAN) application.
- Aggregation Gigabit Ethernet channels.
- Switch-to-switch links for very high-speed connections between switches in the equipment room, in the same data center, or in different buildings.

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| Environment | Operating Temperature | -10°C a 60°C |
| Characteristics | Relative humidity | 45% a 100% |
| Physical Characteristics | Cable to plug tensile strength | 7.7 kgs |
| | Positions | 8p |
| | Contacts | 8c |
| | Type of contacts | For solid conductors |
| Electrical characteristics | Bandwidth: | 100 Mhz minimum |
| | Resistance | < 50 mili ohms |
| | Insulation resistance: | > 1000 Megahms |
| | Withstande voltage | 1000V AC/minute |
| | Insertion loss | < 0,2 dB |
| | return loss | > 25 dB |
| | Impedance | 100 ohmios |
| Conectorization | AWG: | 22-26 AWG |
| | Type of cable | Unscreened Solid UTP |
| Standards | | ANSI/TIA/EIA-568.B |



Plug Body

