Technical data sheet

VNA2200 RJ45 Plug

Version: A/0

【Product Picture】

【Product Description】

The VNA2200-1 UTP 8P8C RJ45 Plug is designed for Ethernet network connections, providing a secure and high-performance interface for Cat5e and Cat6 cables. It features three-prong (3-tooth) gold-plated contacts for stable signal transmission and durability. Made of high-quality PC material, this plug ensures reliable electrical performance and long-lasting mechanical strength, making it suitable for professional networking applications.

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【Tech Specs】

Technical Specification	Description
Model	VNA2200
Type	UTP 8P8C RJ45 Plug
Contact Type	3-Tooth (3-Prong) Gold-Plated
Material	PC
Durability	500 Mating Cycles
Maximum Voltage	250V AC at 2A
Dielectric Withstanding Voltage	500V AC
Insulation Resistance	500 Megaohms
Termination Resistance	35 Megaohms
Cable-to-Plug Tensile Strength	≥ 20 lbs (89N)

【Features】

1. **High-Quality 3-Tooth Gold-Plated Contacts：** Ensures better conductivity, stable signal transmission, and long-lasting durability, minimizing data loss and interference.
2. **Reliable Electrical Performance：** Supports 250V AC at 2A, withstanding 500V dielectric voltage and providing high insulation resistance (500MΩ) for stable network connections.
3. **Strong Mechanical Durability：** Designed for 500+ mating cycles, ensuring a secure and long-lasting connection with Ethernet cables.
4. **Enhanced Cable Retention：** The RJ45 plug withstands 20 lbs (89N) tensile strength, preventing accidental disconnections and ensuring firm cable attachment.
5. **Premium PC Material for Durability：** Made from high-quality polycarbonate (PC) material, providing heat resistance, impact strength, and long-term durability.

【Application Environment】

1. **Ethernet Networking：** Ideal for Cat5e and Cat6 Ethernet cables, ensuring stable data transmission in home, office, and enterprise networks.

2. **Telecommunication & Data Centers：** Suitable for high-speed networking environments, including servers, switches, and structured cabling systems.
3. **Industrial & Commercial Use：** Perfect for network installers, IT professionals, and telecom engineers requiring reliable RJ45 connectors.
4. **DIY & Custom Networking Projects：** reat for custom cable assemblies, offering flexibility and secure terminations for professional and personal networking setups.

【Important Notice】

1. **Compatibility：** Designed for solid and stranded Cat5e/Cat6 cables, but not compatible with Cat7 or higher shielded cables.
2. **Proper Crimping Required：** Use a high-quality RJ45 crimping tool to ensure secure connections and prevent signal issues.
3. **Storage & Handling：** Store in a dry, cool place, and avoid exposure to excessive moisture or heat to maintain optimal performance.
4. **Network Performance：** The quality of crimping and cable installation significantly affects network stability and speed. Ensure proper wiring and pin alignment for best results.