

CATEGORY 6 / 6A UTP TOOL LESS KEYSTONE JACK

Norden Category 6/6A 90° Tool-less UTP Keystone Jacks are designed for high-performance Ethernet applications, supporting data rates up to 10 Gigabit Ethernet. Featuring a tool-less design, all eight conductors are terminated simultaneously by pressing the cap into place, enabling fast and reliable installation. The 90° right-angle cable entry is ideal for tight spaces and high-density environments. With support for universal T568A/B wiring, the jack minimizes insertion loss and alien crosstalk. Tested up to 500 MHz for Cat 6A and 250 MHz for Cat 6 over 100 meters, it also includes integrated strain relief and is compatible with standard faceplates, shuttered modules, and patch panels.



COMPLIANCE

IEEE 802.3af, IEEE 802.3at for PoE applications. ANSI/TIA-568.2-D, ISO/IEC11801:2002 EN 50173-2 Category 6 standard, EN 50173-2 Category 6A standard

DESIGN & MATERIALS

Colour	Black And White or Others Available Upon Request
Size	22.1x19.4x35 mm
RJ45 Port	16mm X 8.2 mm
Angle	90 Degree
Temperature - Operation	-40°C to +60°C
Humidity	85 % (30°C)
Housing Material	PPO+PC or PBT (UL 94 V-0)
Air pressure	70-106 Kpa
IDC Wire Gauge	23-26 AWG, Solid
Colour Coding	As Per 568 A/B Standard
Contact Pin Material	Phosphor Bronze & Gold Plating
IDC	Phosphor Bronze & Silver Plating
Durability	200 cycles
Mating durability	≥750 cycles

STANDARDS

Flammability Rating	UL 94 V-0
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ELECTRICAL DATA

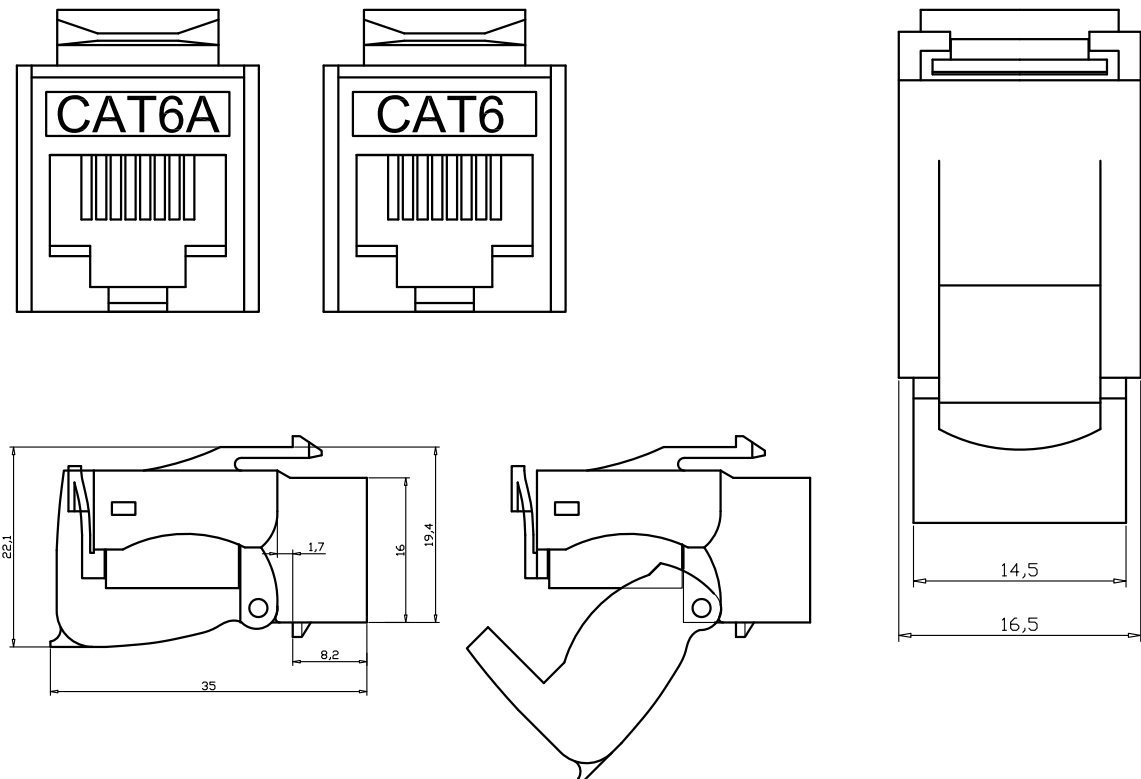
Insertion force	2 contacts : 350g, 4 contacts : 500g 6 contacts : 750g, 8 contacts : 900g
Insulation Resistance	≥1000MΩ (normal pressure)
Contact Resistance	≤20mΩ (normal pressure)
Dielectric Voltage	DC 1000V/AC 700V, 1 min (no breakdown or flashover)
Plug/Jack Retention Strength	≥7.7KG

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MECHANICAL & TRANSMISSION DATA

Retention	≥75N
Propagation Delay (Cat 6)	≤2ns (1–250MHz)
Propagation Delay (Cat 6A)	≤2ns (1–500MHz)
Propagation Delay Skew	≤1ns
Coupling Attenuation (Cat 6)	≥40dB@30–250MHz
Coupling Attenuation (Cat 6A)	≥55dB@30–500MHz

DRAWING



ORDERING INFORMATION

Part Number	Description
122-31T090X	Category 6 UTP Tool Less Keystone Jack
122-41T090X	Category 6A UTP Tool Less Keystone Jack

X: WH (White)