

# CATEGORY 6A UTP KEYSTONE JACK



Norden Category 6A UTP Punch Down Keystone Jack is designed to provide exceptional protection against electromagnetic interference (EMI) from external sources. It effectively minimizes insertion loss and alien crosstalk, ensuring reliable, high-performance operation for 10G Ethernet applications. Featuring a 90° orientation, the jack includes back interconnection with dual-style IDC blocks and universal pin/pair assignments, ensuring secure and optimal termination. Tested to 500 MHz over 100 meters, the Category 6A jack supports both T568A and T568B wiring standards, making installation quick and easy. It also incorporates an integral cable strain relief, enhancing durability. The jack is compatible with various faceplates and unloaded shuttered modules and is backward compatible, supporting Category 6, Category 5e, and voice network applications.



## COMPLIANCE

IEEE 802.af, IEEE 802.3at, IEEE 802.3bt for PoE+ applications.  
ANSI/TIA/EIA 568AB.2.2001  
IEC 60603-7-4, TIA/EIA-568-D.2  
ISO/IEC11801:2002  
EN50173-2 Category 6A standards

## DESIGN & MATERIALS

Colour	Black & White or Others Available Upon Request
Size	30.5 mm X 18 mm X 22.9 mm
RJ45 Port	16.1mm X 14.5mm
Angle	90 Degree
Temperature- Storage	-40 C to + 68 °C
Temperature- Operation	-10°C to + 60°C
Operating Humidity	10%-90% RH
Housing Material	High Impact, Flame-Retardant Plastic
IDC Type	Dual (110 Or Krone) Type
IDC Wire Gauge	23-26 AWG, Solid
Colour Coding	As Per 568 A/B Standard
Spring Wire	Phosphor Bronze gold over nickel plating
IDC	Phosphor Bronze gold over nickel plating
Conductor Termination	200
Insulation Diameter	0.7-1.6 mm

## STANDARDS

Safety Rating	UL 1863
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## ELECTRICAL DATA

Current Rating	1.5 A
Insulation Resistance	≥500 MΩ
Voltage Rating	230 V rms Max
Dielectric Voltage	DC1000V/AC750V 1min
Contact Resistance	≤10 mΩ
DC Resistance	≤0.1 Ω
Input /Output Resistance	200 M Ω max.
IDC Contact Resistance	<5 MΩ max

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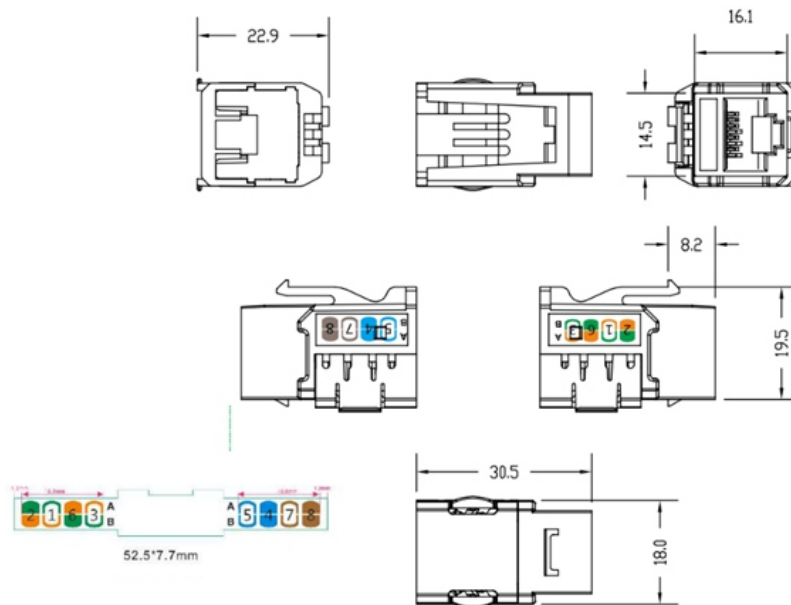
## MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	≥750 Cycles
Retention	133 N
Propagation Delay	2.5 ns max./1-500 MHz
Propagation Delay Skew	1.25 ns max./1-500 MHz
Coupling Attenuation	35 dB @ 30 - 500 Mhz

## TRANSMISSION PERFORMANCE DATA OF CHANNEL

Freq. MHz	Attenuation	NEXT dB	PSNEXT dB	RL dB
1	0.5	79.8	80.0	19.6
4	0.9	76.1	75.1	23.5
10	1.5	77.0	70.1	22.7
20	2.1	68.6	65.1	24.6
31.25	2.7	63.9	59.9	25.8
100	4.8	53.9	53.5	28.1
150	6.0	54.6	48.3	25.8
200	6.9	48.8	45.7	25.4
250	7.7	45.5	43.8	23.1
500	31.8	33.0	31.0	14.5

## DRAWING



## ORDERING INFORMATION

Part Number	Description
122-41P090X	Category 6A UTP Keystone Jack 90D

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)