

# CATEGORY 5E UTP KEYSTONE JACK

Norden Category 5E UTP keystone Jacks exceed category 5E performance with component and channel performance to 100 MHz can be used in unloaded patch panels, faceplates and shutters, in a variety of colour options. These Jacks are designed to reduce the Insertion loss & Alien cross talk in order to provide maximum flexibility and high performance for all 10G Ethernet applications and are available in a 90° orientation with a dual termination block which will allow the installer to terminate with either a 110 or Krone insertion tool (Dual IDC). 90° orientation provides perfect termination This supports T568 A&B wiring & easy installation. The jack is manufactured with an integral cable strain relief.



## COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.  
ANSI/TIA-568-C.2, ISO/IEC-11801  
EN50173-2 Category 5e standards

## DESIGN & MATERIALS

Colour	Black And White or Others Available Upon Request
Size	35.1 mm X 17.1 mm X 25.2 mm
RJ45 Port	11.8 mm X 9.8 mm
Angle	90 Degree
Temperature -Storage	-40 °C to +70 °C
Temperature -Operation	-10 °C to +65 °C
Housing Material	High Impact, Flame-Retardant Plastic Compound, UL 94 V-0.
IDC Type	Dual (110 Or Krone) Type
IDC Wire Gauge	22-26 AWG, Solid or Stranded
Colour Coding	As Per 568 A/B Standard
Spring Wire	Phosphor Bronze Alloy
IDC	Phosphor Bronze Alloy
Conductor Termination	> 200
Insulation Diameter	0.7-1.4 mm

## STANDARDS

Flammability Rating	UL 94 V-0
Safety Rating	UL 1863

## ELECTRICAL DATA

Current Rating	1.5 A
Insulation Resistance	500 MΩ min 100 Vdc
Voltage Rating	230 V rms Max
Dielectric Voltage	1000 V dc or ac, 60 Hz for 1 min (Contact-Contact)
Plug/Jack Contact Resistance	20 MΩ per contact
Input /Output Resistance	200 MΩ max.
Idc Contact Resistance	< 5 MΩ max

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## MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	750 Cycles minimum
Retention	50 N
Propagation Delay	2.5 ns max./1-100 MHz
Propagation Delay Skew	1.25 ns max./1-100 MHz
Coupling Attenuation	35 dB @ 30 - 100 MHz

## TRANSMISSION PERFORMANCE DATA OF CHANNEL

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB
1	1.8	73.8	71.8	25.0
4	3.6	64.8	62.8	28.0
10	5.8	55.3	53.3	28.0
20	8.3	53.8	52.8	28.0
31.25	10.5	50.9	48.1	27.8
60	15.3	46.4	44.6	26.1
100	19.8	43.3	41.3	25.0

## ORDERING INFORMATION

Part Number	Description
122-21P090X	Category 5e UTP Keystone Jack 90D

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

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
122-21P090X	50 x 20 x 1	Carton Box	12.0	17.0	620 x 420 x 430