

# CATEGORY 6 UTP KEYSTONE JACK TOOL LESS

Norden Category 6 tool less UTP keystone Jacks give optimum protection from electromagnetic interference from an outside source. The tool-less termination allows all eight conductors to be terminated simultaneously when the termination cap is pressed into place. 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 180° orientation with back interconnection of Dual Style IDC blocks in universal pin/pair assignment. 180° orientation provides perfect termination with minimum distance to the IDC. This is tested to 250 MHz range over 100m and supports T568 A&B wiring & easy installation. The jack is manufactured with an integral cable strain relief. They can be installed into a number of Face plates and unloaded shuttered modules.



## COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.  
ANSI/TIA/EIA 568AB.2.2001, ISO/IEC11801:2002  
EN50173-2 Category 6 standards

## DESIGN & MATERIALS

Colour	Black And White or Others Available Upon Request
Size	25.2 mm X 17 mm X 35.1 mm
RJ45 Port	11.8 mm X 9.8 mm
Angle	180 Degree
Temperature - Storage	-40 °C to +70 °C
Temperature - Operation	-10 °C to +65 °C
Operating Humidity Range	-10 °C to +60 °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
Propagation Delay	25 ns Max
Dielectric Voltage	1000 V dc or ac, 60 Hz for 1 min (Contact-Contact)
Plug/Jack Contact Resistance	20 mΩ per contact
IDC Contact Resistance	< 1 mΩ max

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## MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	750 Cycles minimum
Retention	50 N
Propagation Delay	2.5 ns max./1-250 MHz
Propagation Delay Skew	1.25 ns max./1-250 MHz
Coupling Attenuation	35 dB @ 30 - 250 MHz

## ELECTRICAL PERFORMANCE DATA OF CHANNEL

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB
1	1.9	87.6	82.6	28.0
4	3.5	79.2	74.2	30.0
10	5.6	73.3	68.3	29.0
20	8.4	69.1	63.8	29.0
31.25	10.0	66.0	61.1	28.6
100	18.9	58.0	53.0	25.1
150	24.0	55.2	50.7	23.8
200	26.1	53.0	48.0	22.8
250	30.0	52.6	47.6	22.0

## ORDERING INFORMATION

Part Number	Description
122-31T180X	Category 6 UTP Keystone Jack Tool Less 180D

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)
122-31T180X	50 x 20 x 1	Carton Box	14.0	18.0	620 x 420 x 430