

# CATEGORY 6A FTP/STP KEYSTONE JACK TOOL LESS

Norden Category 6A FTP/STP Keystone 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 IDC blocks in universal pin/pair assignment. 180° orientation provides perfect termination with minimum distance to the IDC.

Our tool-less termination allows all eight conductors to be terminated simultaneously when the termination cap is pressed into place. This is tested to 500MHz range over 100m and supports T568 A&B wiring & Easy installation. Stronger & transparent IDC Cover is an added advantage for protection. Norden Category 6A KSJ is also backward compatible supporting current Category 6, Category 5E, and voice network applications.



## COMPLIANCE

IEEE P802.3an and TIA/EIA TSB155 (draft) Category 6A specifications and Class E channel requirements of 2nd edition  
IEC 60603-7-51, ISO/IEC 11801 and CENELEC EN50173-1  
The Category 6A channel requirements of TIA/EIA-568-B.2-10

## DESIGN & MATERIALS

Colour	Silver (metal)
Dimension	38.80 mm X 16.20 mm X 21.10 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	Zinc Alloy
IDC Type	Dual (110 or Krone) Type
IDC Wire Gauge	22-26 AWG, Solid or Stranded
Colour Coding	As Per 568 A/B Standard
Overall Shield	Fully Shielded Corrosion-Resistant Die-Cast Zinc-Alloy Casing.
Spring Wire	Phosphor Bronze Alloy
IDC	Phosphor Bronze Alloy
Conductor Termination	> 30
Insulation Diameter	0.7-1.6 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 V d.c.
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
IDC Contact Resistance	< 1 mΩ max

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## MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	750 Cycles minimum
Retention	133 N
Propagation Delay	2.5 ns max./1-500 MHz
Propagation Delay Skew	1.25 ns max./1-500 MHz
Coupling Attenuation	45 dB @ 30 - 500 MHz

## TRANSMISSION PERFORMANCE DATA OF CHANNEL

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB	ACR dB
1	1.7	86.3	83.3	23.0	84.6
4	3.4	85.0	83.0	23.0	75.6
10	5.4	77.3	74.3	25.0	71.9
20	7.6	70.0	67.0	25.0	62.4
31.25	9.7	68.0	65.0	23.8	58.3
100	18.0	65.3	62.3	21.1	47.3
150	23.6	62.0	59.8	18.8	38.4
200	27.4	59.0	57.2	18.0	31.6
250	31.0	57.6	54.6	17.3	26.6
300	34.2	55.0	52.0	16.8	20.8
400	40.0	53.0	51.8	16.8	13.0
500	42.2	52.0	50.0	16.8	9.8

## ORDERING INFORMATION

Part Number	Description
122-42T1800	Category 6a FTP/STP Keystone Jack Tool Less 180D
122-42T1810	Category 6a FTP/STP Keystone Jack Tool Less Shuttered 180D

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
122-42T1800	50 x 20 x 1	Carton Box	38.0	42.0	620 x 420 x 430
122-42T1810	50 x 20 x 1	Carton Box	38.0	42.0	620 x 420 x 430