

# CATEGORY 6 SHIELDED KEYSTONE JACK TOOL LESS

Norden Category 6 Shielded keystone Jacks are shielded with a two part case giving optimum protection from electromagnetic interference from an outside source. The rear casing is clicked into place after shielded cable has been fed through the centre and terminated to the jack. 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 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 and backward compatible with category 5E/class D system components.



## 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	Silver (metal)
Size	26.2 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
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 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
IDC Contact resistance	< 1 mΩ max

# CATEGORY 6 SHIELDED KEYSTONE JACK TOOL LESS

## MECHANICAL & TRANSMISSION DATA

Insertion/Extraction Life	750 Cycles minimum
Retention	133N
Propagation delay	2.5 ns max./1-250MHz
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	2.0	80.0	78.0	27.0
4	3.8	75.0	72.8	30.0
10	6.0	71.0	69.0	30.0
20	8.5	62.0	60.2	30.0
31.25	10.4	60.9	58.9	28.6
100	19.8	54.0	52.0	26.0
150	24.7	50.7	48.7	25.1
200	29.0	48.1	46.1	23.8
250	32.8	46.3	44.3	22.0

## ORDERING INFORMATION

Part Number	Description
122-32T1800	Category 6 Shielded Keystone Jack Tool Less 180D
122-32T1810	Category 6 Shielded Keystone Jack Tool Less Shuttered 180D

## PACKING INFORMATION

Part Number	Packing Qty.	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
122-32T1800	50 x 20 x 1	Carton Box	38.0	42.0	620 x 420 x 430
122-32T1810	50 x 20 x 1	Carton Box	38.0	42.0	620 x 420 x 430