

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 60603-7-5, ISO/IEC 11801 and CENELEC EN50173-1
The Category 6A channel requirements of TIA/EIA-568-B.2-10

DESIGN & MATERIALS

| | |
|--------------------------|--|
| Colour | Silver (metal) |
| Size | 41.2 mm X 17.1 mm X 26.2 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 |
| 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 |

CATEGORY 6A FTP/STP KEYSTONE JACK TOOL LESS

MECHANICAL & TRANSMISSION DATA

| | |
|---------------------------|------------------------|
| Insertion/Extraction Life | 750 Cycles minimum |
| Retention | 50 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 |

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 |