PRODUCT DATA SHEET

EngineerPro®Cat 6 UTP Keystone Jack, 180 Degrees

Overview
Nitrotel Cat6 Keystone Jacks offer exceptional interconnection in 10/100/1000 Base-T Fast and Gigabit Ethernet applications. These component-rated keystone jacks work together with high speed cables, cores and panels to provide performance beyond proposed category 6 standards. Their compact design allows them to fit into any conventional face plate, outlet box, or panel.

Features
- Backward compatible
- Compliant with EIA/TIA-568.2-D Cat6 connecting hardware specifications
- PoE Compliance: Supports IEEE 802.3f/ 802.3at /802.3bt at PoE++ applications and Supports Power over HDBaseT™ (PoH) up to 100 watts
- Dual-color coded labeling made for both 568A & 568B wiring schemes
- Compact slim design fits into any conventional face plate, outlet box, or panel
- UL 1863 approved
- Patented Printed Circuit Board designed to meet Cat6 performances
- Utilizes 180 degree industry standard 110 termination style
- 50u" gold plated contacts.
- Enhanced IDC termination towers reduce installation time and increased performance
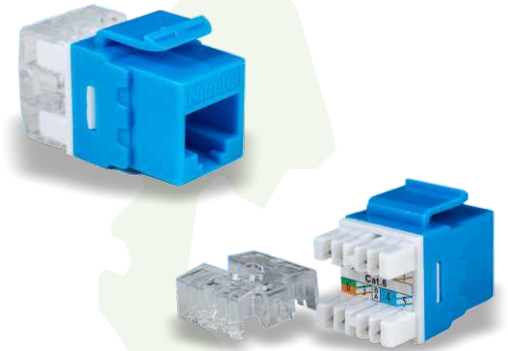
Technical Specifications

Performance:	Specifications:
Cat6	250 MHz +
Compliance	Meets EIA/TIA-568.2-D transmission performance specifications and ISO 11801 Class E channel and component requirements at swept frequencies up to 250 MHz.
IDC:	**Specifications:**
Housing	PC UL 94
Type	110 Punchdown, 180 degrees
Contact Construction	Phosphor bronze with tin plated
Operating Life	200 re-terminations (min.)
Cabling	22-26 AWG, Stranded and Solid UTP cable
Electrical:	**Specifications:**
Wiring for	T568A or T568B
Dielectric Withstand	1000 VAC RMS @ 60Hz
Voltage/current	150 VDC @ 1.5A, max., > 100mW @ 500 Vdc
RJ45 Connector:	**Specifications:**
Contact Construction	Phosphor bronze, 50µ in. gold plating
Insertion Life	750 insertions, min., @ < 0.2 dB of insertion loss
Insertion Force	900 gms for 8 contacts
Retention Strength	7,7 Kgs between Jack and Plug
Housing	High-impact thermoplastic, UL94V-0 rated

Order information (Part Number)
NTKJ1806E__SL

Color

BU	RD	WH	YL
GY	BK	GN	OR

Special orders available upon request.

EngineerPro® Unshielded Network Component

EngineerPro® Category 6 Punchdown Patch Panels:
12-Port	NTPP6E12U
24-Port, 1 RU	NTPP6E24U
48-Port, 2 RU	NTPP6E48U

EngineerPro® Category 6 Patch Cords
Foot Lengths:	NTPC6EXX*YY**

EngineerPro® Category 6 UTP Cable

NTNC6E___ -

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	6.4±0.2
C	CM	6.4±0.2
R	CMR	6.4±0.2
L	LSZH	6.4±0.2
E	LDPE	6.4±0.2

Available Cable Management:
Horizontal Cable Managers
Blank Filler Panels
Brush Panels
Hook & Loop Fasteners

* For standard lengths (01, 03, 05, 07, 10, 15 or 20 Ft) change the XX in part number to the desired length.
** For standard cable colors add suffix BU (Blue), WH (White), BK (Black), GR (Green), RD (Red), GY (Gray) or YL (Yellow) after desired length at the end of the part number. For example, the part number for a blue 3 foot patch cord is NTPC5E03BU.

Nitrotel Cat 6 UTP Cable

Nitrotel Cat 6 UTP Patch Cord

14.5

17

29.2

8

16.1

18.3

CAT.6

CAT.6

COVER

8.4

16

18.3