

## PRODUCT DATA SHEET

## EngineerPro® CAT6 Unshielded Patch Panels

### Overview

Nitrotel EngineerPro® Cat6 Patch Panels offer exceptional interconnection in 10/100/1000 Base-T Gigabit Ethernet applications. Metal frame is made of heavy-duty gauge steel and formed to create a robust surface capable of withstanding the forces generated while punching down cables to the panel. EngineerPro® Cat6 unshielded patch panel has 12, 24 or 48 Cat 6 RJ45 ports on the front and corresponding 110 style IDC punchdown connectors on the rear.

### Key Features

- Include silk-screened port numbers and paper label holders.
- Include color code labels for T568A and B wiring schemes.
- Utilizes industry standard termination 110 style termination punchdown.
- Mounts to the front or rear of any standard EIA 19" spaced rack. 12-port suitable for wall mount with 89D bracket.

### Technical Specifications

Performance:	Specifications:
Cat6	250 MHz +
Compliance	Meets ANSI/TIA-568.2-D transmission performance specifications and ISO 11801 Class E channel and component requirements at swept frequencies up to 250 MHz.
<b>IDC Block:</b>	<b>Specifications:</b>
Type	110 Punchdown
Contact Construction	Phosphor bronze with tin plated
Operating Life	200 re-terminations (min.)
Cabling	22-26 AWG, Stranded and Solid UTP cable
<b>Electrical:</b>	<b>Specifications:</b>
Wiring for	T568A or T568B
Dielectric Withstand	1000 VAC RMS @ 60Hz
Voltage/current	150 VDC @ 1.5A, max., > 100mW @ 500 Vdc
<b>RJ45 Connector:</b>	<b>Specifications:</b>
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



### 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 NTPC6E03BU.



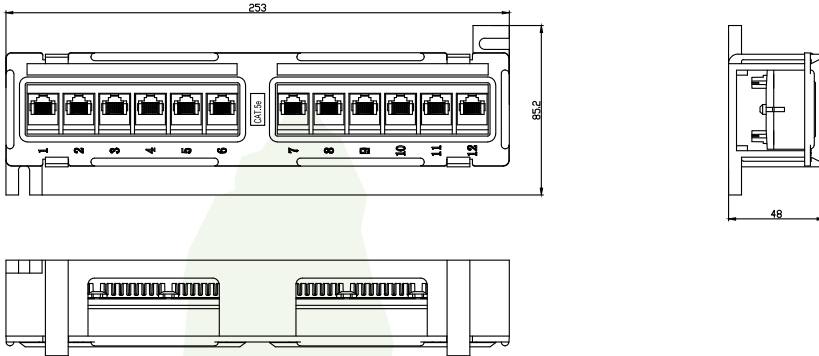
EngineerPro® Cat 6 UTP Cable



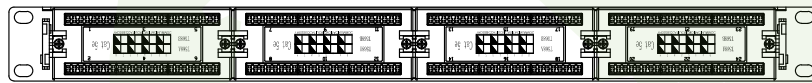
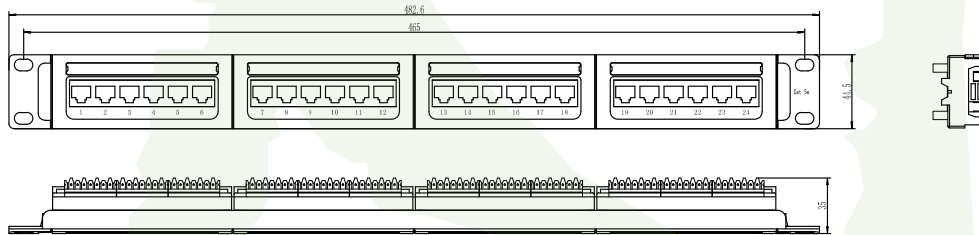
EngineerPro® Cat 6 UTP Patch Cord



**NTPP6E12U**



**NTPP6E24U**



**NTPP6E48U**

