

# DP6™ PLUS Patch Panel

## specifications

Category 6/Class E patch panels terminate unshielded twisted 4 pair, 22 – 26 AWG, 100 Ohm pair cable and mount to standard EIA 19" or 23" racks. Industry standard single wire 110 punchdown tool is used for terminations. Patch panels are supplied with T568A and T568B wiring configurations. Ports and panels are easy to identify with write-on areas.



## technical information

<b>Category 6/Class E channel performance:</b>	Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E channel standard requirements at swept frequencies up to 250 MHz	
<b>Category 6/Class E component performance:</b>	Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E component standard requirements at swept frequencies up to 250 MHz	
<b>Dimensions:</b>	12 port flat:	H:53.3 x W:253.9 x D:29.7mm, 89D bracket
	24 port flat:	H:43.7 x W:482.6 x D:29.7mm, 1 RU
	48 port flat:	H:88.1 x W:482.6 x D:29.7mm, 2 RU
	24 port angled:	H:43.7 x W:482.6 x D:121.2mm, 1 RU
	48 port angled:	H:88.1 x W:482.6 x D:121.2mm, 2 RU
<b>Mounting option:</b>	Mounts to standard EIA 19" or 23" racks (23" requires use of extender bracket). 12 port suitable for wall mount with 89D bracket	
<b>Packaging:</b>	Packaged with M6 and #12 – 24 mounting screws	

## key features and benefits

<b>100% performance tested</b>	Confidence that each port will deliver the critical electrical performance requirements
<b>Each port individually serialised</b>	Can be quality traced to sub-components
<b>Common termination tooling</b>	Terminates with industry standard 110 punchdown tool for familiar, easy and fast installation
<b>Port and panel identification</b>	Write-on areas follow TIA/EIA-606-A labelling standards
<b>Universal wiring schemes</b>	T568A and T568B wiring schemes clearly identified on universal label
<b>Industry standard RJ45 interface</b>	Familiar to end-users; backwards compatible
<b>Replaceable port module (DRJ688TGBl)</b>	Ability to easily replace damaged port for full panel use

## applications

DP6™ PLUS Patch Panel is a component of the TX6500™ and TX6000™ Copper Cabling Systems. Interoperable and backward compatible, these end-to-end systems provide design flexibility to protect network investments well into the future. With certified performance to the TIA/EIA-568-B.2-1 Category 6 and ISO 11801 Class E standards, these systems are ideal for today's high performance workstation applications. Usage of the TX6500™ and TX6000™ Copper Cabling Systems include:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10000BASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Digital video and broadband/baseband analog video
- Voice over internet protocol (VoIP)

### TX6500™ and TX6000™ Copper Cabling Systems

#### DP6™ PLUS Flat Punchdown Patch Panels

<b>12 port:</b>	DP12688TGY
<b>24 port, 1 RU:</b>	DP24688TGY
<b>48 port, 2 RU:</b>	DP48688TGY

#### DP6™ PLUS Angled Punchdown Patch Panels

<b>24 port, 1 RU:</b>	DPA24688TGY
<b>48 port, 2 RU:</b>	DPA48688TGY

#### TX6500™ UTP Cable

<b>Plenum:</b>	PUP6504BU-UY*
<b>Riser:</b>	PUR6504BU-UY*

#### TX6000™ UTP Cable

<b>Plenum:</b>	PUP6504BU-UY*
<b>Riser:</b>	PUR6504BU-UY*

#### MINI-COM™ TX6™ PLUS Jack Module

<b>Module:</b>	CJ688TG**
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#### TX6™ PLUS Patch Cords

<b>1M:</b>	UTPSP1MY***
<b>2M:</b>	UTPSP2MY***
<b>3M:</b>	UTPSP3MY***
<b>5M:</b>	UTPSP5MY***

#### GP™ PLUS Category 6 Punchdown System

See website ([www.panduit.com](http://www.panduit.com)) or catalogue for complete system information

#### Termination Tools

<b>Jack module termination tool:</b>	EGJT‡
<b>Wire snipping tool:</b>	CWST
<b>Wire stripping tool:</b>	CJAST
<b>Panel punchdown tool:</b>	PDT110

\*For colours other than BU (Blue), substitute with WH (White), YL (Yellow), or IG (Int'l Grey). Contact Customer Service for additional colours requiring minimum order quantities.

\*\*To designate a colour, add suffix IW (Off White), EI (Electric Ivory), IG (Int'l Grey), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), AW (Arctic White), BR (Brown), or VL (Violet). Contact Customer Service for additional colours requiring minimum order quantities

\*\*\*For standard cable colours other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. Contact Customer Service for additional colours and lengths requiring minimum order quantities.

‡Terminates enhanced GIG-A-TX™ Style Jack Module

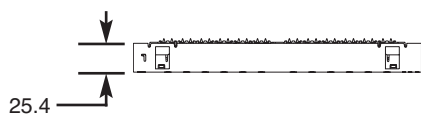
# DP6™ PLUS Patch Panel

## DP6™ PLUS Patch Panel Test Results

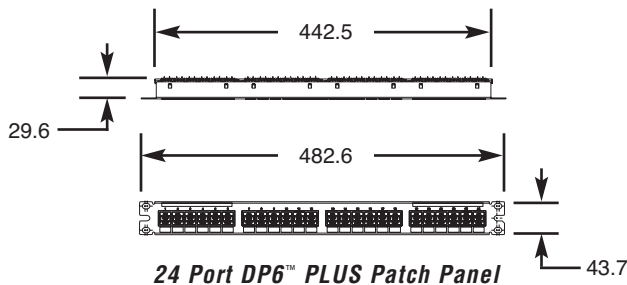
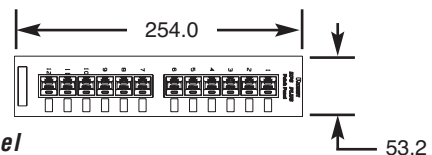
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	—	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/Un-Mating	IEC 512-13b	Mating Force (N)	<20
		Un-Mating Force (N)	<20
Termination Cycles	IEC 352	Number of Cycles	>20

Electrical Test	Test Method	Measurement	Typical Test Results
Low Level Circuit Resistance	IEC 512-2a	Resistance (mOhms)	<20
Dielectric Withstand Voltage	IEC 512-4a	1000 V, 1 minute	Passed
Insulation Resistance	IEC 512-3a	Resistance (mOhms)	>500

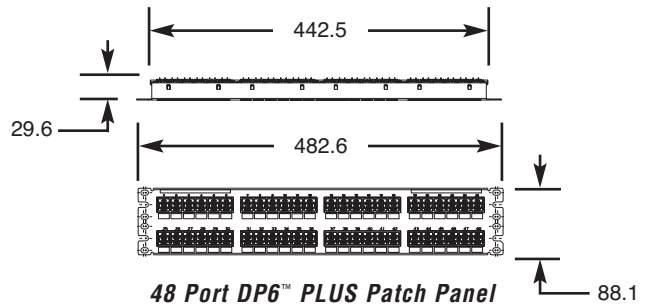
Environmental Test	Test Method	Measurement	Typical Test Results
Temperature Life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	<40
Thermal Shock	IEC 512-11d	Circuit Resistance (mOhms)	<40
Climatic Sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing Mixed Gas Corrosion	IEC 512-11g	Circuit Resistance (mOhms)	<40



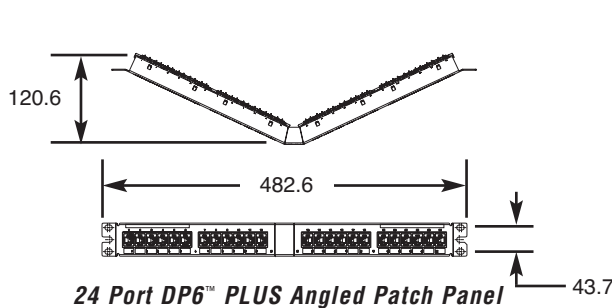
12 Port DP6™ PLUS Patch Panel



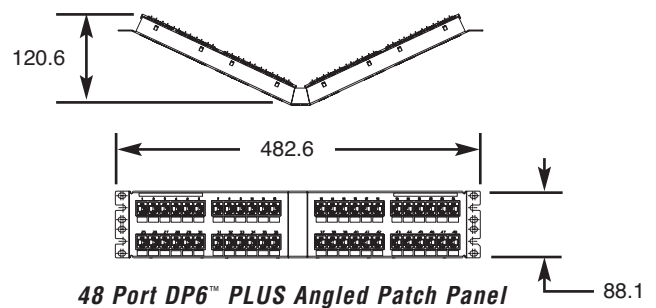
24 Port DP6™ PLUS Patch Panel



48 Port DP6™ PLUS Patch Panel



24 Port DP6™ PLUS Angled Patch Panel



48 Port DP6™ PLUS Angled Patch Panel

Dimensions are in millimetres

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