

DP6™ PLUS Patch Panel

specifications

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



technical information

Category 6/Class E channel and component performance: Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E standard requirements at swept frequencies up to 250 MHz

Dimensions:	12 port flat:	2.10"H x 10.0"W x 1.17"D (53.3 x 253.9 x 29.7mm), 89D bracket
	24 port flat:	1.72"H x 19.0"W x 1.17"D (43.7 x 482.6 x 29.7mm), 1 RU
	48 port flat:	3.47"H x 19.0"W x 1.17"D (88.1 x 482.6 x 29.7mm), 2 RU
	24 port angled:	1.72"H x 19.0"W x 4.77"D (43.7 x 482.6 x 121.2mm), 1 RU
	48 port angled:	3.47"H x 19.0"W x 4.77"D (88.1 x 482.6 x 121.2mm), 2 RU

Mounting option: Mounts to standard EIA 19" or 23" racks (23" requires use of extender bracket); 12-port suitable for wall mount with 89D bracket

Packaging: Packaged with M6 and #12 – 24 mounting screws

key features and benefits

100% performance tested	Confidence that each port will deliver the critical electrical performance requirements
Each port individually serialized	Can be quality traced to sub-components
Common termination tooling	Terminates with industry standard 110 punchdown tool for familiar, easy and fast installation
Port and panel identification	Write-on areas follow TIA/EIA-606-A labeling standards
Universal wiring schemes	T568A and T568B wiring schemes clearly identified on universal label
Industry standard RJ45 interface	Familiar to end-users; backwards compatible
Replaceable port module (DRJ688TGBL)	Snaps in and out of patch panel for fast moves, adds, and changes

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

12-port:	DP12688TGY
24-port, 1 RU:	DP24688TGY
48-port, 2 RU:	DP48688TGY

DP6™ PLUS Angled Punchdown Patch Panels

24-port, 1 RU:	DPA24688TGY
48-port, 2 RU:	DPA48688TGY

TX6500™ UTP Copper Cable

Plenum:	PUP6504*-UY
Riser:	PUR6504*-UY

TX6000™ UTP Copper Cable

Plenum:	PUP6004*-UY
Riser:	PUR6004*-UY

TX6™ PLUS Patch Cords

3 feet:	UTPSP3**Y
5 feet:	UTPSP5**Y
7 feet:	UTPSP7**Y
10 feet:	UTPSP10**Y
14 feet:	UTPSP14**Y
20 feet:	UTPSP20**Y

GP6™ PLUS Category 6 Punchdown System

See website (www.panduit.com) or catalog for complete system information

Termination Tools

Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Panel punchdown tool:	PDT110

*For colors other than BU (Blue), substitute with WH (White), YL (Yellow), or IG (Int'l Gray).
**For lengths 1 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) before Y at the end of the part number. For example, the part number for a blue 15-foot patch cord is UTPSP15BUY.

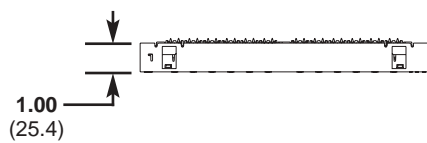
DP6™ PLUS Patch Panel

Test Results

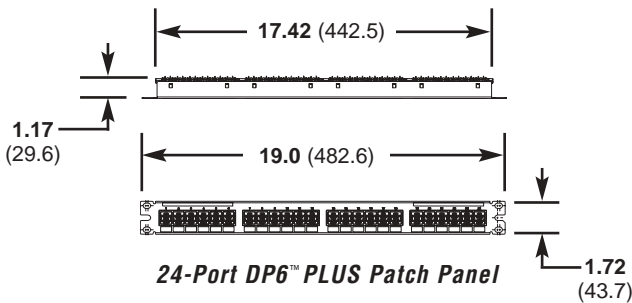
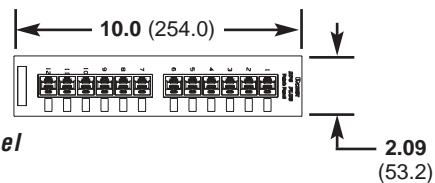
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	—	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
		Mating Force (N)	<20
Mating/Un-Mating	IEC 512-13b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

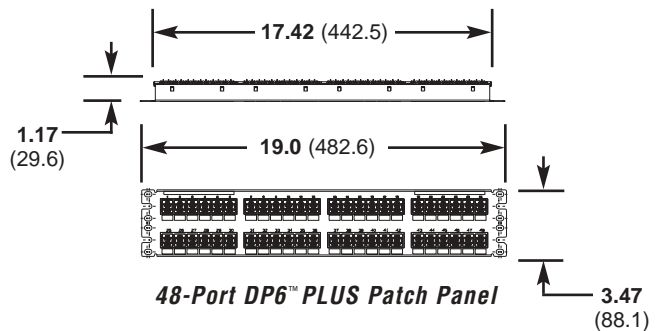
Environmental Test	Test Method	Measurement	Typical Test Results
Temperature Life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	<40
Thermal Shock	IEC 512-11d	Circuit Resistance (mOhms)	<40
Climatic Sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing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



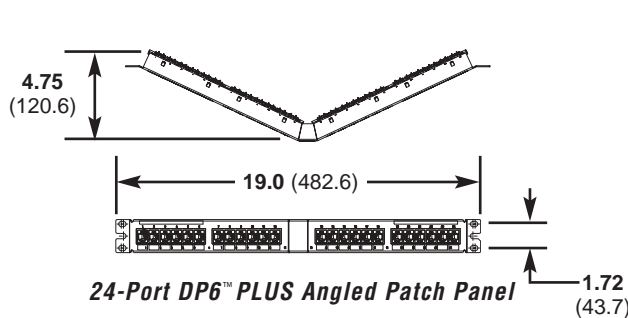
12-Port DP6™ PLUS Patch Panel



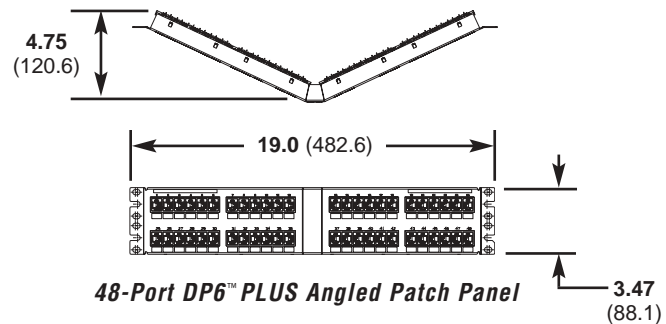
24-Port DP6™ PLUS Patch Panel



48-Port DP6™ PLUS Patch Panel



24-Port DP6™ PLUS Angled Patch Panel



48-Port DP6™ PLUS Angled Patch Panel

Dimensions are in inches (Dimensions in parentheses are metric).

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