

specifications

Category 5e/Class D punchdown patch panels shall terminate unshielded twisted 4 pair, 22 – 26 AWG, 100 ohm 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 5e/Class D channel and component performance:	Exceeds all TIA/EIA-568-B.2 Category 5e and ISO 11801 2nd Edition Class D standard requirements at swept frequencies up to 100 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 scheme clearly identified on universal label
Industry standard RJ45 interface	Familiar to end-users; backwards compatible
Replaceable port module (DRJ5E88TGBL)	Ability to easily replace damaged port for full panel use

applications

DP5e™ Patch Panel is a component of the TX5500™ Copper Cabling System. The PANDUIT® TX5500™ System provides end-to-end Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the TIA/EIA-568-B.2 Category 5e and ISO 11801 Class D standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token Ring 4/16
- Voice/data systems
- Voice over internet protocol (VoIP)

TX5500™ Copper Cabling System

DP5e™ Flat Punchdown Patch Panels

12-port:	DP125E88TGY
24-port, 1 RU:	DP245E88TGY
48-port, 2 RU:	DP485E88TGY

DP5e™ Angled Punchdown Patch Panels

24-port, 1 RU:	DPA245E88TGY
48-port, 2 RU:	DPA485E88TGY

TX5500™ UTP Cable

Plenum:	PUP5504*-UY
Riser:	PUR5504*-UY

TX5e™ Patch Cords

3 feet:	UTPCH3**Y
5 feet:	UTPCH5**Y
7 feet:	UTPCH7**Y
10 feet:	UTPCH10**Y
14 feet:	UTPCH14**Y
20 feet:	UTPCH20**Y

PAN-PUNCH™ 110 Category 5e 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

*To designate color, add suffix BU (Blue), WH (White), YL (Yellow), or IG (International Gray).

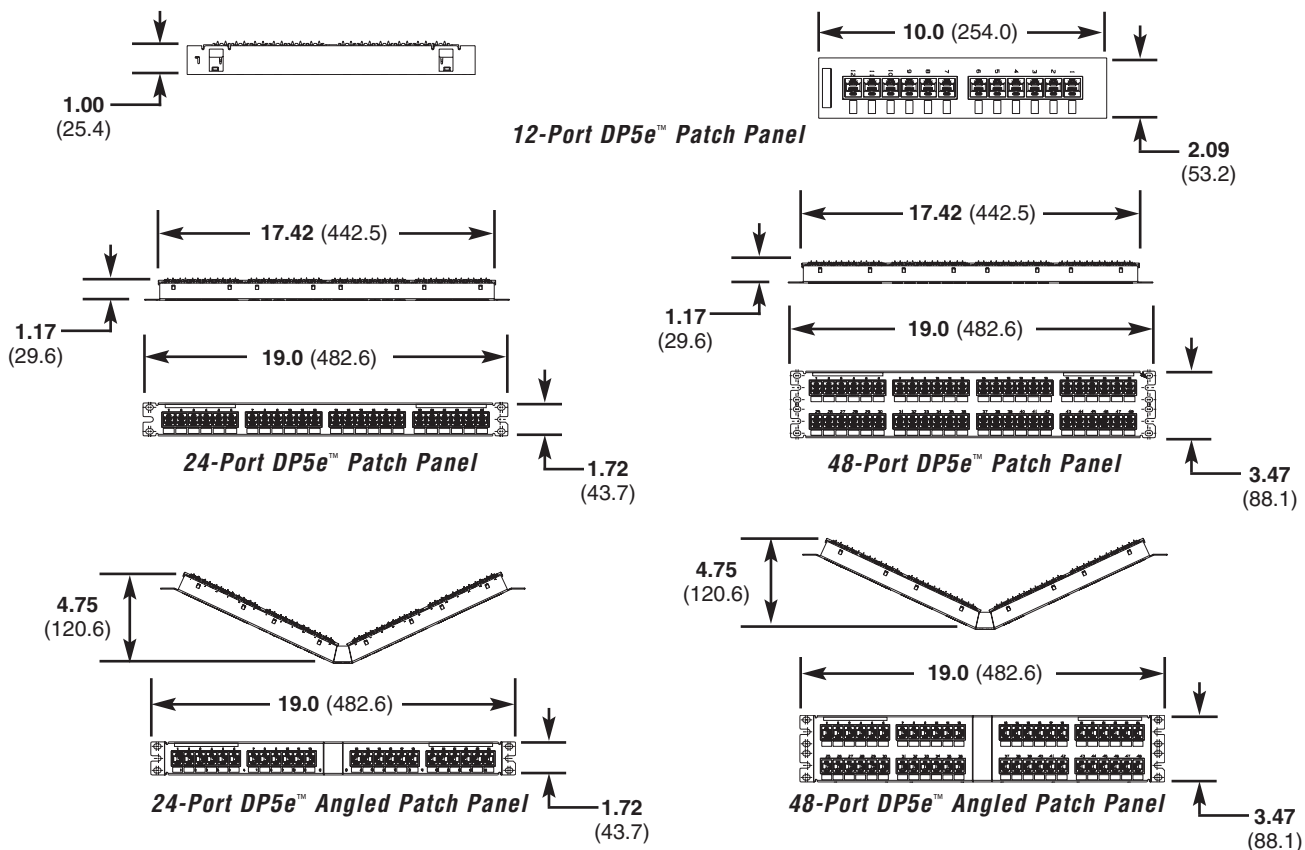
**For lengths 1 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) before the part number. For example, the part number for a blue 15 foot patch cord is UTPCH15BUY.

DP5e™ 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



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

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