DP5e™ Punchdown Patch Panels

PANDUIT®

SPECIFICATION SHEET

specifications

Category 5e/Class D, punchdown patch panels shall terminate 4-pair, 22 – 26 AWG, 100 ohm unshielded twisted pair cable with an industry standard single wire 110 punchdown tool. Patch panels shall include a universal label coded for T568A and T568B wiring schemes and mount to 19" and 23" racks. Patch panels shall be easy to identify with pre-printed numbers, write-on areas and optional label kits.

technical information

Category 5e/Class D channel and component performance:	Exceeds channel requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz Exceeds component requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz
FCC and ANSI compliance:	Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
UL rated:	UL 1863 approved
Conductor termination range:	Compatible with 22 – 26 AWG solid or stranded IWC cable with conductor insulation diameters of 0.048 in.
Mounting option:	Mounts to standard EIA 19" or 23" racks (with optional extender bracket); 12-port version can be wall mounted with optional 89D bracket
Packaging:	Includes M6 and #12-24 mounting screws

key features and benefits

100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Individually serialized	Each port is marked with quality control number for future traceability
RJ45 interface	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible
Identification	Can be clearly identified with optional labels and icons for port identification
Universal wiring scheme	T568A and T568B wiring schemes clearly identified
Industry standard termination tool	Single wire 110 punchdown tool (PDT110) ensures conductors are fully terminated
Block out device (optional)	Provides a simple and secure method to control access to data ports while not in use
Angled design (optional)	Facilitates proper bend radius control and minimizes the need for horizontal cable managers
Replacement port module (optional)	Ability to replace field damaged ports for complete panel utilizations

applications

DP5e™ Punchdown Patch Panels are a component of the TX5500™ UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D Edition 2.1 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™ UTP Copper Cabling System

DP5e™ Angled Punchdown Patch Panels

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

DP5e™ Flat Punchdown Patch Panels

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

TX5500™ UTP Copper Cable

Plenum:	PUP5504*
Riser:	PUR5504*
LSZH:	PUL5504*
CM:	PUC5504*

TX5e™ UTP Patch Cords

CM (Foot lengths):	UTPCH^Y
CM (Meter lengths):	UTPCH^^MY
LSZH (Meter lengths):	UTPCHL^^MY

Tools and Accessories

Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Punchdown tool:	PDT110
24-port label kit:	DPLK24
48-port label kit:	DPLK48
Replacement module:	DRJ5E88TGBL
Strain relief bar:	SRBM19BLY
Extender bracket:	PEB1
Clear dust cap:	MDC-C
Block out device:	PSL-DCJB-^^^
Phone icons:	CIPIW-C‡
Data icons:	CIDIW-C‡

*To designate color, add suffix BU (Blue) or WH (White). For additional cable colors, contact customer service.

^For lengths 1 to 20 feet (one foot increments) 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), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the part number for a blue 15-foot patch cord is UTPCH15BUY.

^^For lengths 1 to 10 meters (one meter increments) and 2.5, 15, 20, 25, 30, 35, 40 meters, 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), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the part number for a blue 15-meter patch cord is UTPCH15MBUY.

^^^To designate color other than Red, add suffix BL (Black), BU (Blue), YL (Yellow), GR (Green), OR (Orange), IW (Off White) or IG (International Gray) at the end of the part number. 10/package.

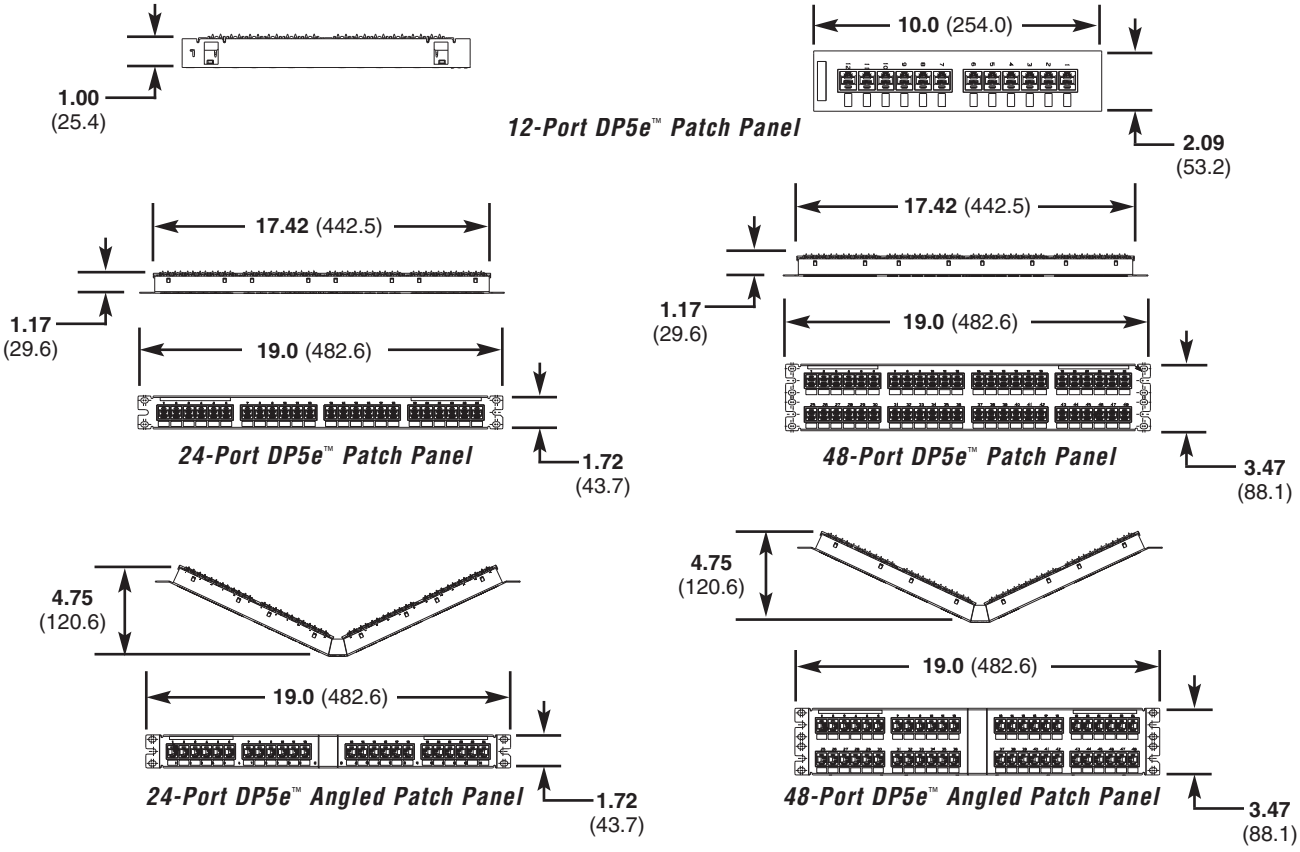
‡To designate color other than IW (Off White), replace IW with EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) in the part number. 100/package.

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 brackets are metric].

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4/2010