# **DP5e<sup>™</sup> Punchdown Patch Panels**



### 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

channel and component IS 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		
	xceeds component requirements of ANSI/TIA-568-C.2 Category 5e nd ISO 11801 Class D standards at swept frequencies 1 to 100 MHz		
	leets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold or superior performance		
IEC compliance: M	leets IEC 60603-7		
	upports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE pplications up to 100 W		
UL rated: UI	L 1863 approved		
	Compatible with 22 – 26 AWG solid or stranded IWC cable with conductor insulation diameters of 0.048 in.		
	Mounts to standard EIA 19" or 23" racks (with optional extender bracket); 12-port version can be wall mounted with optional 89D bracket		
Packaging: In	cludes 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 utilization		

### applications

DP5e<sup>™</sup> Punchdown Patch Panels are a component of the TX5500<sup>™</sup> 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 <sup>™</sup> Angled Punch Patch Panels	down	
24-port, 1 RU: 48-port, 2 RU:	DPA245E88TGY DPA485E88TGY	
DP5e <sup>™</sup> Flat Punchdov Patch Panels	vn	
12-port: 24-port, 1 RU: 48-port, 2 RU:	DP125E88TGY DP245E88TGY DP485E88TGY	
TX5500™ UTP Copper	Cable	
Plenum: Riser: LSZH: CM:	PUP5504* PUR5504* PUL5504* PUC5504*	
TX5e <sup>™</sup> UTP Patch Cor	ds	
CM (Foot lengths): CM (Meter lengths): LSZH (Meter lengths):	UTPCH^Y UTPCH^^MY	
TX5e™ 28 AWG UTP F	Patch Cords	
TX5e <sup>™</sup> 28 AWG UTP F CM/LSZH (Foot lengt CM/LSZH (Meter lengt	hs): UTP28CH^	
CM/LSZH (Foot length	ns): UTP28CH^ ths): UTP28CH^^M	
CM/LSZH (Foot length CM/LSZH (Meter length Tools and Accessorie Wire snipping tool: Wire stripping tool: Punchdown tool: 24-port label kit: 48-port label kit:	ns): UTP28CH^ ths): UTP28CH^^M	
CM/LSZH (Foot length CM/LSZH (Meter length Tools and Accessorie Wire snipping tool: Wire stripping tool: Punchdown tool: 24-port label kit: 48-port label kit: Replacement module: Strain relief bar: Extender bracket: Clear dust cap: Block out device:	ns): UTP28CH <sup>^</sup> ths): UTP28CH <sup>^</sup> M s CWST CJAST PDT110 DPLK24 DPLK24 DPLK48 DRJ5E88TGBL SRBM19BLY PEB1 MDC-C PSL-DCJB- <sup>^^</sup>	
CM/LSZH (Foot length CM/LSZH (Meter length Tools and Accessorie Wire snipping tool: Wire stripping tool: Punchdown tool: 24-port label kit: 48-port label kit: Replacement module: Strain relief bar: Extender bracket: Clear dust cap:	ns): UTP28CH <sup>^</sup> ths): UTP28CH <sup>^</sup> M s CWST CJAST PDT110 DPLK24 DPLK24 DPLK48 DRJ5E88TGBL SRBM19BLY PEB1 MDC-C	

^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.

MFor 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.

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# DP5e<sup>™</sup> Punchdown Patch Panels

## 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		
1.17 (29.6)	(442.5) 482.6) 48	↓ 1.17 (29.6) ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	.42 (442.5) → 0 (482.6) → D (482.6) → P5e <sup>™</sup> Patch Panel 2.47		
	(482.6)	(43.7)	9.0 (482.6) Angled Patch Panel 3.47 (88.1)		
Dimensions are in inches. (Dimensions in parentheses are metric).					

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