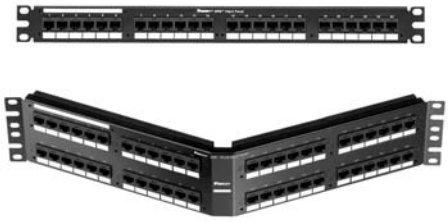
DP6™ 10GIG™ Patch Panels

PANDUIT®

SPECIFICATION SHEET

specifications

Patch panels shall mount to standard EIA 19" or 23" racks. Industry standard single wire 110 punchdown tools 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 write-on areas.



technical information

Augmented Category 6 performance tested to 500 MHz:	Exceeds the 10 Gigabit Draft 1.0 amendment to IEEE Std. 802.3an, October 2004 standard 4-connector channel requirements at swept frequencies up to 500 MHz, when used as part of the *PANDUIT® SYNERGIST™ 10GIG™* Copper Cabling System
Category 6 performance:	Exceeds all Category 6 component and channel standard requirements at swept frequencies up to 250 MHz
Dimensions:	24 port flat: 1.72"H x 19.0"W x 1.17"D (43.7 x 482.6 x 29.7mm), 1 RU 24 port angled: 1.72"H x 19.0"W x 4.77"D (43.7 x 482.6 x 121.2mm), 1RU 48 port flat: 3.47"H x 19.0"W x 1.17"D (88.1 x 482.6 x 29.7mm), 2RU 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" rack or 23" (23" requires use of extender bracket)
Packaging:	Packaged with universal T568A and T568B wiring label, M6 and #12-24 mounting screws

Hi Country
CABLE & TELEPHONE
203.467.5500 www.hcwt com

key features and benefits

100% NEXT performance tested	Confidence that each port delivers NEXT performance
Each port individually serialized	Can be quality traced to sub-components
Removable 6-port connector assemblies	Modularity allows easy replacement, maintenance and moves, adds and changes
Enhanced punchdown technology	For secure termination and ease of 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

applications

DP6™ 10GIG™ Patch Panels are a component of the *SYNERGIST™ 10GIG™* Copper Cabling System. This end-to-end system provides a cost effective media for ensuring that the most challenging network bandwidth needs are easily met today and tomorrow.

Businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive information throughout their enterprise.

Usage of the *SYNERGIST™ 10GIG™* Copper Cabling System includes high bandwidth applications in data centers (switch-to-switch links, storage area networks, aggregation of data), workstations (transfer of work-group files, scientific 3-D modeling) and web-enabling technologies (live video/audio broadcasting, Voice over IP).

DP6™ 10GIG™ Flat Patch Panels

24 port, 1RU:	DP246X88TG
48 port, 2RU:	DP486X88TG

DP6™ 10GIG™ Angled Patch Panels

24 port, 1RU:	DPA246X88TG
48 port, 2RU:	DPA486X88TG

TX6™ 10GIG™ UTP Copper Cable

Riser:	PUR6X04BU-U
Plenum:	PUP6X04BU-U
LSZH:	PUL6X04DG-UE

TX6™ 10GIG™ Jack Module

Module:	CJ6X88TG*

TX6™ 10GIG™ Patch Cords**

3 feet:	UTP6X3
5 feet:	UTP6X5
7 feet:	UTP6X7
10 feet:	UTP6X10
14 feet:	UTP6X14
20 feet:	UTP6X20

***Offered in BL = Blue, Shown = Off White*

Module Termination Tools

Termination tool:	EGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST

* Substitute for module colors:

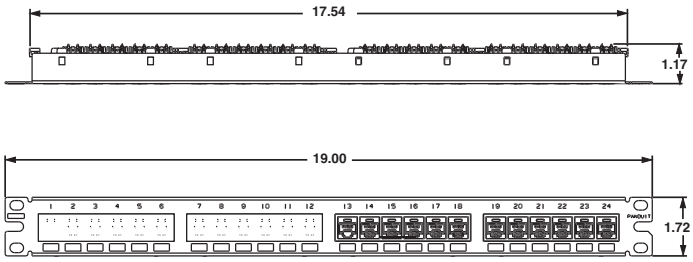
WH = White	IW = Off White
AW = Arctic White	RD = Red
EI = Electric Ivory	BU = Blue
IG = Int'l Gray	GR = Green
BR = Brown	YL = Yellow
OR = Orange	VL = Violet
BL = Black	

DP6™ 10GIG™ Patch Panels Test Results

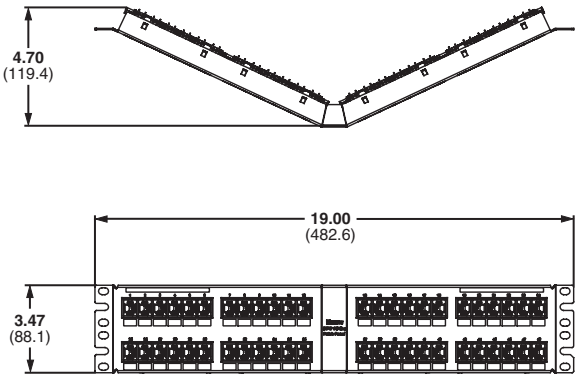
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	—	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microsec.)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/Un-mating	IEC 512-13b	Mating Force (N)	<20
		Un-Mating Force (N)	<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 VAC, 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	Contact Resistance (mOhms)	<40
Climate Sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing Mixed Gas Corrosion	IEC 512-11g	Circuit Resistance (mOhms)	<40

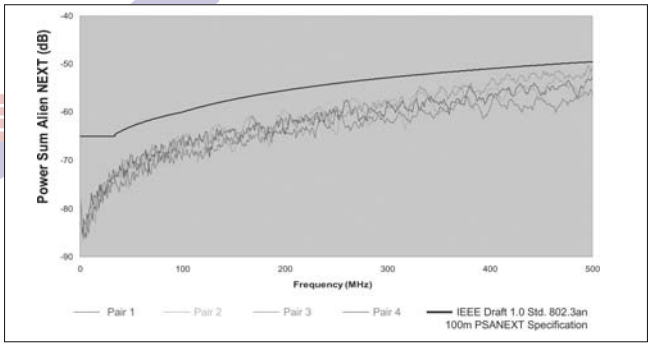


Part Number: DP246X88TG

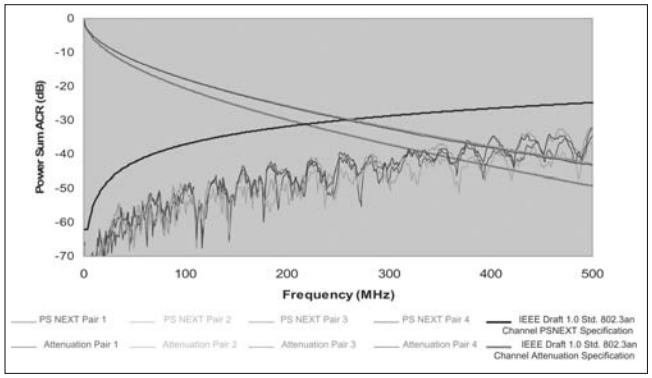


Part Number: DPA486X88TG

PSANEXT 100 Meter Channel



Power Sum ACR 100 Meter Channel



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