

# PanView iQ™ Copper Patch Cords

## specifications

Category 6 and Category 6A patch cords shall be constructed of fully shielded or unshielded twisted pair stranded copper cable with the addition of a ninth conductor. The patch cords shall be terminated at each end with an enhanced performance modular plug that also terminates the ninth conductor on the top of the plug. The patch cords shall be used in conjunction with intelligent patch panels containing the ninth conductor receptacle.



## technical information

<b>Category 6/Class E performance:</b>	Exceeds all ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel standard requirements at swept frequencies up to 250 MHz
<b>Category 6A/Class E<sub>A</sub> performance:</b>	Exceeds all ANSI/TIA-568-C.2 Category 6A and ISO 11801 2nd Edition Class E <sub>A</sub> channel standard requirements at swept frequencies up to 500 MHz
<b>FCC compliance:</b>	Meets FCC Part 68 Subpart F; contacts plated with 50 micro-inches of gold
<b>IEC compliance:</b>	Meets IEC 60603-7
<b>UL listed:</b>	UL1863

## key features and benefits

<b>100% performance tested</b>	Component-level testing assures that each patch cord will exceed the critical electrical performance requirements
<b>Internal pair manager</b>	Optimizes performance and consistency by reducing untwist at plug
<b>Slender strain relief boot</b>	Provides easy access in high-density applications
<b>Patented tangle free latch</b>	Prevents snags and provides easy release, saving time on frequent moves, adds, and changes
<b>Quality materials</b>	Utilizes 24 AWG UTP or 26 AWG S/FTP stranded copper cable and RJ45 modular plugs; plug contacts plated with 50 microinches of gold for superior performance
<b>Ninth conductor continuity</b>	Provides continuity through the patch cord, enabling the PanView iQ™ System to monitor connectivity

## applications

Panduit's PViQ™ System Hardware, which includes intelligent patch panels, modules, and cabling, seamlessly feeds information directly into the Physical Infrastructure Manager™ (PIM™) Software Platform to provide continuous real-time patch field monitoring and visibility of physical infrastructure connectivity for enhanced system reliability and security and capacity management. PViQ™ Patch Panels support

tiered installations to provide customers with the flexibility of installing passive connectivity that may be upgraded to fully managed at a future time. PViQ™ Copper Patch Cords are a component of the PViQ™ System. With certified performance to Category 6 and Category 6A standards, these patch cords are ideal for today's high-performance applications. The ninth conductor enables robust monitoring of the patch field with the PViQ™ System.

### PanView iQ™ System

#### PanView iQ™ Patch Cords

<b>Category 6 UTP:</b>	PVUTPSPC*BBUY
<b>UTP metric:</b>	PVUTPSPC**MBBUY
<b>S/FTP 10Gig:</b>	PVSTP6X***MB^
<b>UTP 10Gig:</b>	PVUTP6X***MB^

#### PanView iQ™ Patch Panels

<b>Modular, intelligent, blank 24-port</b>	
<b>Flat unshielded:</b>	PVQ-MIQPU24
<b>Flat shielded:</b>	PVQ-MIQPS24
<b>Angled unshielded:</b>	PVQ-MIQAPU24
<b>Angled shielded:</b>	PVQ-MIQAPS24

#### PanView iQ™ Intelligence Modules

<b>Panel manager (PM):</b>	
	PVQ-PM
<b>Expansion module (EM):</b>	
	PVQ-EM

NOTE: PM requires PanView iQ™ Power Supply (not included).

#### PanView iQ™ Hardware Kits

**Kit with (4) PanView iQ™ Patch Panels, (1) PanView iQ™ PM, (3) PanView iQ™ EMs, and accessories**

<b>Flat unshielded kit:</b>	PVQ-MIQPS96F
<b>Angled unshielded kit:</b>	PVQ-MIQPS96A

NOTE: PM requires PanView iQ™ Power Supply (not included).

#### PanView iQ™ Power Supply

<b>12 volt power supply</b>	
<b>(North America):</b>	PVQ-PS12VDC-S
<b>(Europe):</b>	PVQ-PS12VDC-E
<b>(UK):</b>	PVQ-PS12VDC-U
<b>(Japan):</b>	PVQ-PS12VDC-J
<b>(China):</b>	PVQ-PS12VDC-C

#### PIM™ Software Platform and Modules

<b>Base functionality module:</b>	PIM-BASE
<b>Connectivity management module:</b>	PIM-CONNECT‡
<b>Maintenance, support, and warranty agreement:</b>	PIM-CAMA
<b>Software and documentation:</b>	PIM-MEDIA

\*Available in 3, 5, 7, 9, 14, or 20 feet

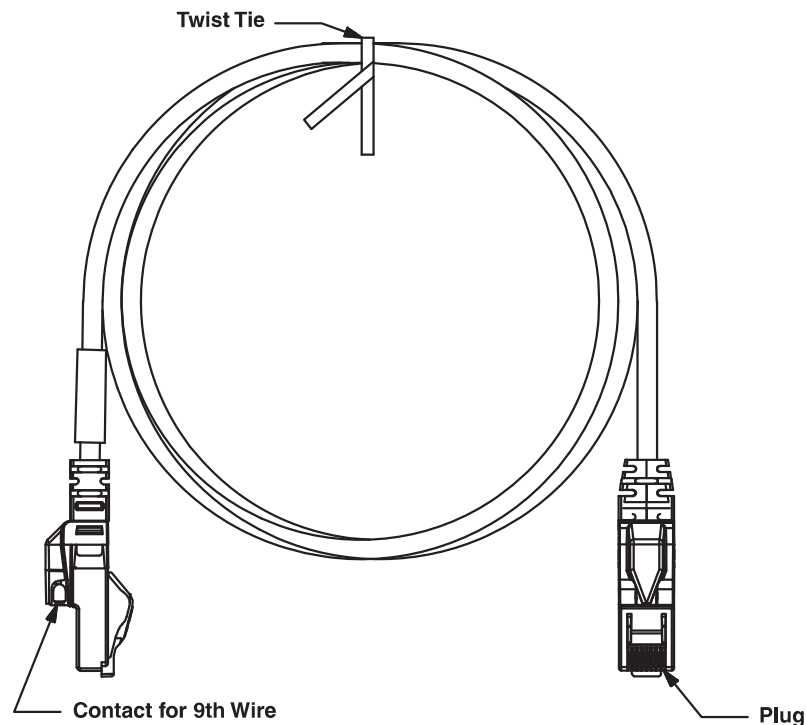
\*\*Available in 1, 2, 3, 5, 7, or 10 meters

\*\*\*Available in 1, 2, 3, 5, or 10 meters

^Available in BU (Blue), GR (Green), RD (Red), YL (Yellow), or BL (Black).

‡To order this module, add the appropriate letter to the end of the part number, based on the size of the installation: -S (<50 racks); -M (50-199 racks); -L (200-399 racks); -X (400+ racks). For example, the part number for the Connectivity Management Module for 250 racks is PIM-CONNECT-L.

# PanView iQ™ Copper Patch Cords



**T568B Wiring Scheme**

Plug Position	Cable Wire
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown

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**PVSP78--WW-ENG**  
Replaces WW-PVSP11  
1/2013