

# NetGen<sup>®</sup> 6

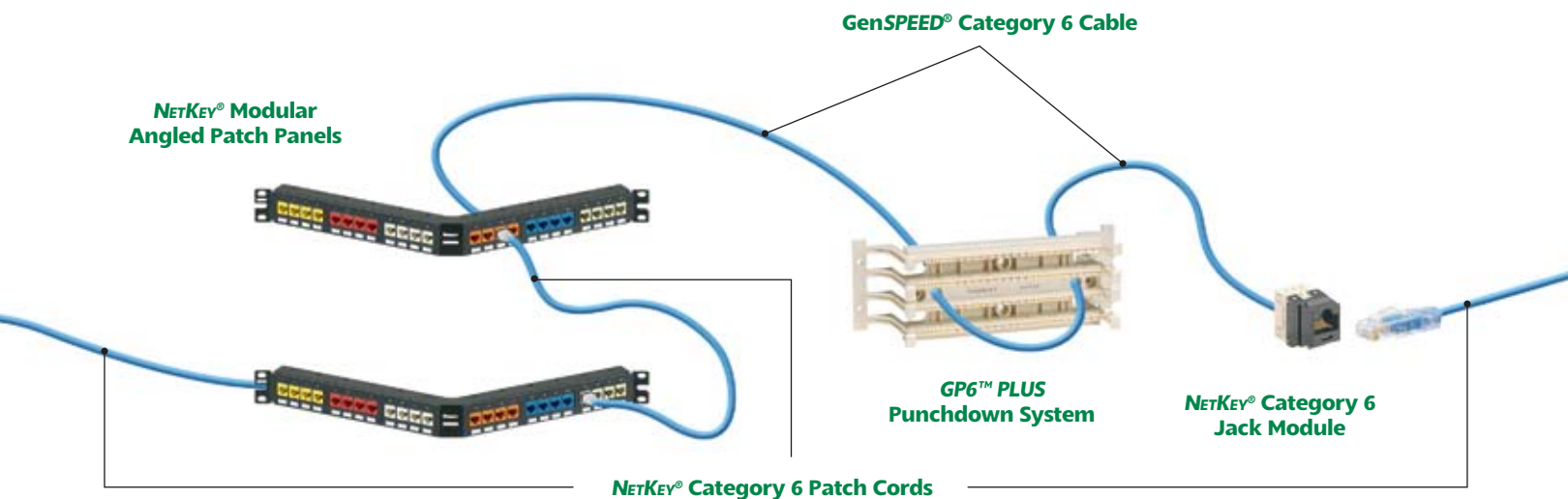
## Key features and benefits of the NetGen<sup>®</sup> 6 solution:

- Designed to meet ANSI/TIA 568 C.2 channel requirements
- Installations covered by a 25-year comprehensive warranty program that provides performance to the latest industry standards
- A single point of contact for all NetGen<sup>®</sup> inquiries
- All connectivity components are 100% performance-tested
- Quick installation of NetGen<sup>®</sup> systems is provided through an extensive network of specially trained and certified installers

## NetGen<sup>®</sup> 6 Solutions Deliver:

- Optimal performance on all electrical parameters to provide a system that meets all applicable TIA standards. This performance is achieved through the robust cable design of GenSPEED<sup>®</sup> 6 paired with the NETKEY<sup>®</sup> Jack Module, Patch Cord and punchdown or modular patch panels.
- Category 6 channel designed to meet the bandwidth requirements set by ANSI/TIA 568 C.2 Category 6 standards.
- TRU-Mark<sup>®</sup> footage marking system to help eliminate unused lengths of cable and save installation time.
- Jack modules are terminated with industry-standard 110 punchdown tool for a low installation cost.
- Patch cords include slender strain-relief boots for easy access in high-density installations and patented tangle-free latch which prevents snags and provides easy release for easy moves, adds and changes.
- Modular and punchdown patch panels.

For additional NETKEY<sup>®</sup> components, visit [www.panduit.com.netkey](http://www.panduit.com.netkey)



# NetGen<sup>®</sup> 6

## NetGen<sup>®</sup> 6 Solution: Guaranteed to TIA/EIA Category 6 Standard

Frequency (MHz)	TIA/EIA Cat 6 Insertion Loss (dB)	TIA/EIA Cat 6 PSNEXT (dB)	TIA/EIA Cat 6 PSACR (dB)	TIA/EIA Cat 6 PSELFEXT (dB)	TIA/EIA Cat 6 Return Loss (dB)
1	2.1	62.0	59.9	60.3	19.0
4	4.0	60.5	56.5	48.2	19.0
10	6.3	54.0	47.7	40.3	19.0
16	8.0	50.6	42.6	36.2	18.0
20	9.0	49.0	40.0	34.2	17.5
31.25	11.4	45.7	34.3	30.4	16.5
62.5	16.5	40.6	24.1	24.3	14.0
100	21.3	37.1	15.8	20.3	12.0
200	31.5	31.9	0.4	14.2	9.0
250	35.9	30.2	-	12.3	8.0

## General Cable Category 6 Cable

Jacket Color	GS 6 Pull-Pac <sup>®</sup> II	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	7133800	7131800
White	7133801	7131801
Yellow	7133802	7131802
Gray	7133803	7131803
Red	7133804	7131804
Orange	7133805	7131805
Green	7133806	7131806
Black	7133807	7131807
Pink	7133808	7131808
Purple	7133809	7131809



## Panduit Category 6 Components

Connector Part Number	Description
NK688M**	NETKEY <sup>®</sup> Category 6 Punchdown Jack Module

NOTE: \*\* denotes color description. When ordering, substitute the following in the \*\* area: BL (Black); BU (Blue); GR (Green); IG (International Gray); EI (Electric Ivory); IW (Off White); OR (Orange); WH (White); RD (Red); YL (Yellow).

Patch Cord Part Number	Description
NK6PC3*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 3 Ft.
NK6PC5*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 5 Ft.
NK6PC7*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 7 Ft.
NK6PC10*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 10 Ft.
NK6PC14*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 14 Ft.
NK6PC20*Y	NETKEY <sup>®</sup> Category 6 Patch Cord, 20 Ft.

NOTE: \*\* denotes color description. When ordering, substitute the following in the \*\* area: BL (Black); BU (Blue); GR (Green); RD (Red); YL (Yellow).

Patch Panel Part Number	Description	Number of Rack Spaces
NK6PPG12WY	12 port Category 6 punchdown patch panel. Mounts to 89D bracket	1
NK6PPG24Y	24 port Category 6 punchdown patch panel	1
NK6PPG48Y	48 port Category 6 punchdown patch panel	1
NKPPA24FMY	24 port angled flush mount modular patch panel	1
NKPPA48FMY	48 port angled flush mount modular patch panel	1
NKPP24FMY	24 port flat flush mount modular patch panel	1
NKPP48FMY	48 port flat flush mount modular patch panel	1