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# PowerMAX Gray Cat.6 U/UTP T568B Patch Cord (PVC) - with Divider

DINTEK PowerMAX™ Cat.6 Patch Cords are specifically designed to support maximum performance for high-speed data networks for 1000Mb and 10Gigabit Ethernet applications and are fully tested to meet ANSI/TIA Cat.6 channel requirements.

DINTEK PowerMAX™ patch cords are made from DINTEK's high-quality, unshielded four-pair 24AWG stranded patch cable, containing an internal PE cross member. The use of the internal PE cross member maintains consistent separation of pairs in order to maximize the throughput of data.

The patch cords are pre-terminated with RJ45 plugs and feature anti-snap strain relief boots. DINTEK recommends the entire range of PowerMAX™ UTP products be used in an end-to-end system to maximize cabling performance.

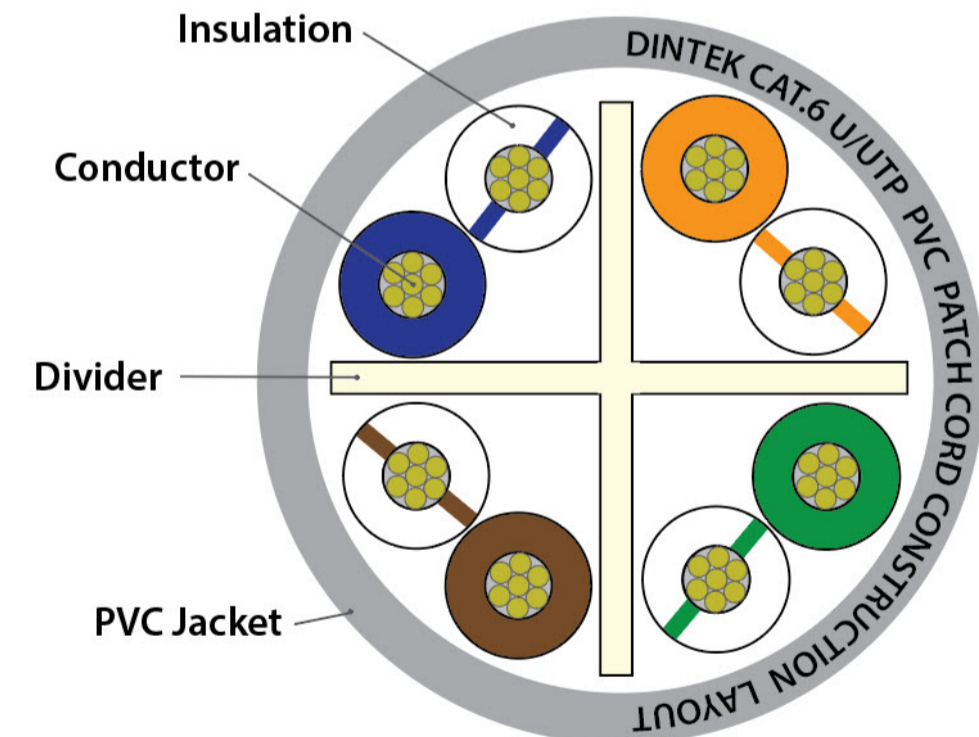


## Features

- Molded boots prevent pin from bending and cables from kinking
- 24AWG stranded wire provides maximum flexibility
- Fully tested to meet ANSI/TIA-568-2.D Cat.6 requirement
- The various colors are available to meet TIA/EIA-606 standards
- The mechanical characteristics and transmission performance meet 16Mbps token Ring, 10Base-T, 100Base-T, 155Mbps, 622Mbps ATM, Gigabit-Ethernet and 1.2Gbps ATM requirements

## Applications

- Patch panel to patch panel connections
- PC to information outlet connections
- Information outlet to telecommunications closet connections
- Equipment & DTE connections
- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video



## Standards Conformance

- ETL verified
- ANSI/TIA-568-2.D
- ISO/IEC 11801
- CENELEC EN 50173
- (UL) CM & CSA CMG

## Ordering Information

Product Number	Product Name	Jacket Type	Color	Length	Connection Type
1201-04193	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	0.5m	T568B
1201-04177	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	1.0m	T568B
1201-04432	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	1.5m	T568B
1201-04212	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	2.0m	T568B

1201-04179	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	3.0m	T568B
1201-04183	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	5.0m	T568B
1201-04225	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	10m	T568B
1201-04237	PowerMAX Cat.6 U/UTP Patch Cord with Divider	PVC	Gray	20m	T568B

## Technical Specifications

### Cable Construction

#### Conductor

<b>Material</b>	Stranded Anneal Copper Wire
<b>Wire Size</b>	24AWG

#### Insulation

<b>Material</b>	PE
<b>Thickness</b>	Nom. 0.59mm
<b>Diameter</b>	1.00 ± 0.03mm
<b>Colors</b>	Blue/White-Blue   Orange/White-Orange   Green/White-Green   Brown/White-Brown

#### Jacket

<b>Material</b>	PVC, Flame Retardant CM Grade
<b>Thickness</b>	Nom. 0.59mm
<b>Diameter</b>	6.0 ±0.2mm
<b>Jacket Colors</b>	Gray   Blue   Yellow   Red   Green   Orange   Purple   Black   White
<b>Flame rating</b>	CM Style
<b>Maximum Tensile Strength</b>	1.05 kgf/mm2

### RJ45 Plug

<b>Housing</b>	Un-shielded RJ4 Plug   Housing>Polycarbonate
<b>Contact Material</b>	Copper alloy 50u" Gold Plated over Nickel
<b>Strength</b>	20lbs. min
<b>Durability</b>	750 cycles min.
<b>Wiring schemes</b>	T568B (Standard) - T568A on request
<b>Boots</b>	Molded boots prevent pin from bending and cables from kink

### Electrical

<b>Impedance</b>	93.8Ω ± 15 Ω
<b>Capacitance unbalance pair to ground</b>	max. 330pf/100m Max
<b>Spark Test</b>	2kV in Air
<b>DC Insulation Resistance</b>	500MΩ/100m min.
<b>Resistance unbalance</b>	3% MAX./100m
<b>Dielectric Strength</b>	AC-500V/1 Min

## DINTEK Electronic Limited

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