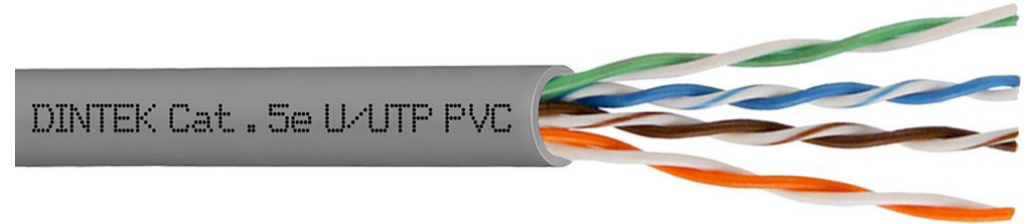


Publish Date: 05.03.2025 | Rev no: 13

PowerPRO 4P Cat.5e U/UTP 24AWG PVC Cable - Gray

DINTEK PowerPRO™ unshielded Cat.5e / Class D U/UTP PVC cable is guaranteed to exceed Cat.5e specifications as set down in ANSI/TIA and ISO/IEC standards. Our PowerPRO™ solution comprises unshielded Cat.5e component compliant patch panels, keystones, and patch cords.

When combined with DINTEK's unshielded Cat.5e / Class D U/UTP PVC cable, an end-to-end channel exists that maximizes data throughput and provides headroom for future technologies operating to, and beyond Gigabit Ethernet.



Application

- Horizontal and backbone cable
- 1000BASE-TX Gigabit Ethernet / 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet / 10BASE-TX Ethernet
- 100 Mbps TP-PMD / 100VG-AnyLAN
- Broadband Video / Voice / T1 / ISDN
- 100Mhz Transmission up to length of 100Mtrs

Features

- Capable of handling the latest versions of Power over Ethernet
- Conductor sizes for PowerPRO™ Cat.5e set at 24AWG
- PVC jacketed 4 pair telecommunications cable
- Successful transmission at 100Mhz up to a length of 100Mtrs
- EZI-Pull 305Mtr Box for trouble free installation

Standards Conformance

- Performance - ANSI/TIA 568.2-D Cat.5e / ISO/IEC 11801
- Structural - EN 13501-6:2014 | IEC 61156-5 | EN 50288-3-1
- PoE capability - IEEE 802.3bt level 3 & 4 (PoE++ & 4PPoE)
- Environmental - Conforms to RoHS and REACH Directives
- Flame testing - EN 60332-1-2

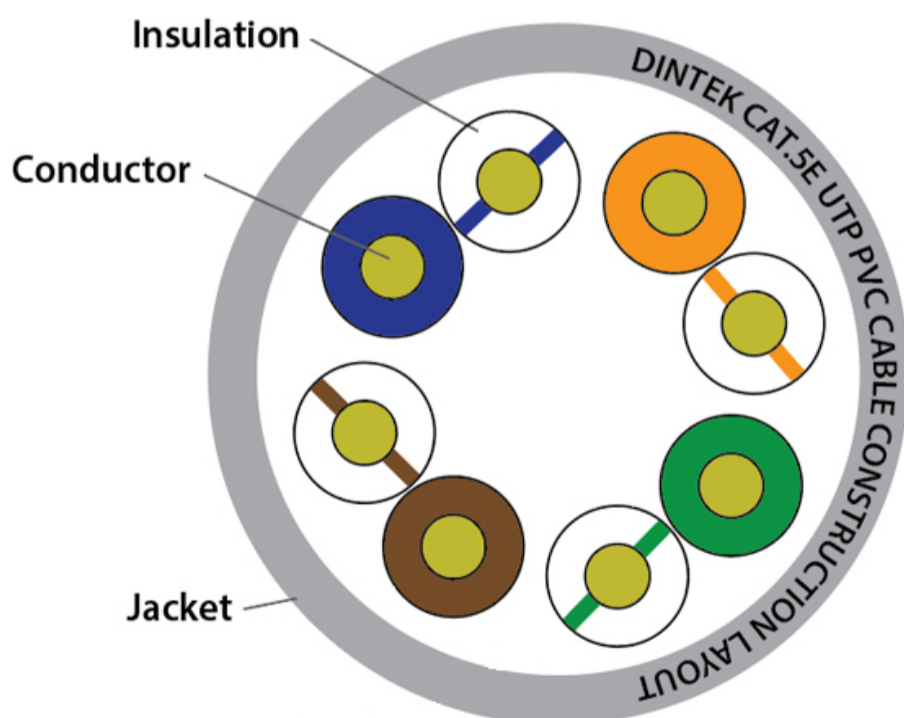
Performance Statistics

Frequency (Mhz)	Insertion Loss (dB/100mtrs)	NEXT (dB)	Return Loss (dB)
1	2.0	65.3	20.0
4	4.1	56.3	23.0
8	5.8	51.8	24.5
10	6.5	50.3	25.0
16	8.2	47.2	25.0
20	9.3	45.8	25.0
25	10.4	44.3	24.3
31.25	11.7	42.9	23.6
62.5	17.0	38.4	21.5
100	22.0	35.3	20.1

Meets and **exceeds** values above based on 100 meters (328 ft.) at 20°C as per ANSI/TIA-568-D.2 for Cat.5e / ISO/IEC 11801 Class D / EN 50173.

Independent Certification

- ETL Certification according to ANSI / TIA-568.2-D Cat.5e
- UL Cable Fire Rating - CM as per UL 444



Ordering Information

Product Number	Product Name	Jacket Rating	Color	Length Qty	Qty / Pallet
1101-03029	PowerPRO 4P Cat.5e U/UTP 24AWG PVC Cable	CM	Gray	305Mtr Box	45

Technical Specifications

Construction

Conductor

Material	Pure Annealed Copper
Wire Size	24AWG
Strand Type	Solid Core
No. Of Pairs	4P

Insulation

Material	Polyethylene
Diameter	0.90mm ± 0.05mm
Colors	Blue/White Orange/White Green/White Brown/White
Pair Foil Wrap	None

Jacket

Material	PVC
Diameter	5.1mm ± 0.5mm
Color	Gray
Jacket Rating	CM
Foil Shield	None
Braided Shield	None

Physical Ranges

Jacket

Cold Bend Test	-20 ± 2°C x 4hrs no crack
Min. Bending Radius	Min. 4 x Cable Diameter
Max. Pulling Tension	110N
Installation Temperature	0°C to +50°C
Operating Temperature	-20°C to +60°C

Electrical

Conductor Resistance	Max. 9.38 Ω/100m at 20°C
DC Resistance Unbalance	Max. 5% at 20°C
Pair-to-Ground Capacitance Unbalance	Max. 160 pF/100m at 1 kHz
Dielectric Strength of Insulation	DC 0.5 KV for 1 min
Insulation Resistance Test	Min. 1500 MΩ/Km at 20°C
Mutual Capacitance	Max. 5600 pF/100m at 1 kHz
Impedance 1 ~ 100Mhz	100Ω ± 15%
Nominal Velocity Of Propagation	66%

DINTEK Electronic Limited

台北市中山區中山北路二段96號 嘉新第二大樓五樓N511
 N511, 5F, 2nd Bldg, No. 96, Sec. 2, Zhongshan N. Rd. Zhongshan Dist., Taipei City 10449, Taiwan
 P: +886-2-25223138 E-mail: sales@dintek.com.tw W: www.dintek.com.tw

1101-03029