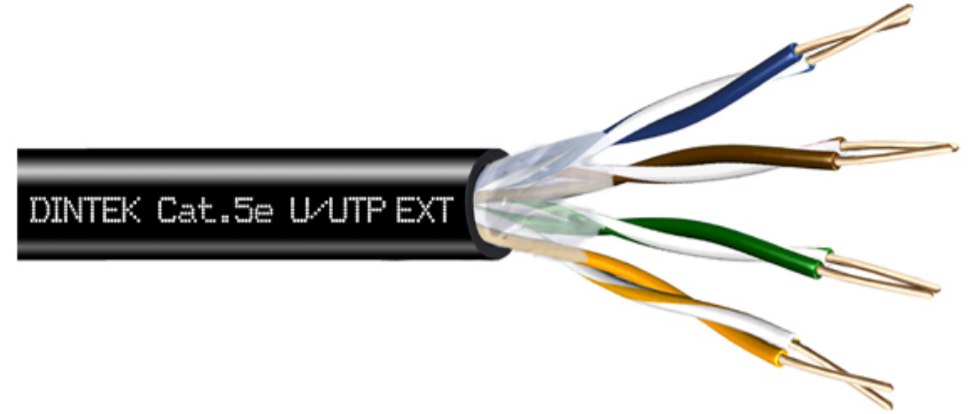


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PowerPRO 4P Cat.5e U/UTP 24AWG PE Gel Filled Cable - Black

Designed for exterior/industrial installation and use, DINTEK's PowerPRO™ unshielded Cat.5e / Class D U/UTP PE gel filled aerial 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 keystones, patch cords and unloaded patch panel options, both straight and angled, and when combined with DINTEK's unshielded Cat.5e / Class D U/UTP PE gel filled aerial cable, an end-to-end channel exists that maximizes data throughput and provides headroom for future technologies operating to, and beyond 1 Gigabit Ethernet.



Application

- Industrial and exterior link/backbone aerial cabling
- 100BASE-TX Fast Ethernet / 10BASE-TX Ethernet
- 1000BASE-TX Gigabit Ethernet / 1000BASE-T Gigabit Ethernet
- 100VG-AnyLAN / Broadband Video / Voice / T1 / ISDN
- 100 Megabit (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
- PE jacketed 4 pair telecommunications cable
- Successful transmission at 100Mhz up to a length of 100Mtrs
- EZI-Pull 305Mtr Reel for trouble free installation
- Contains gel filled water blocking compound

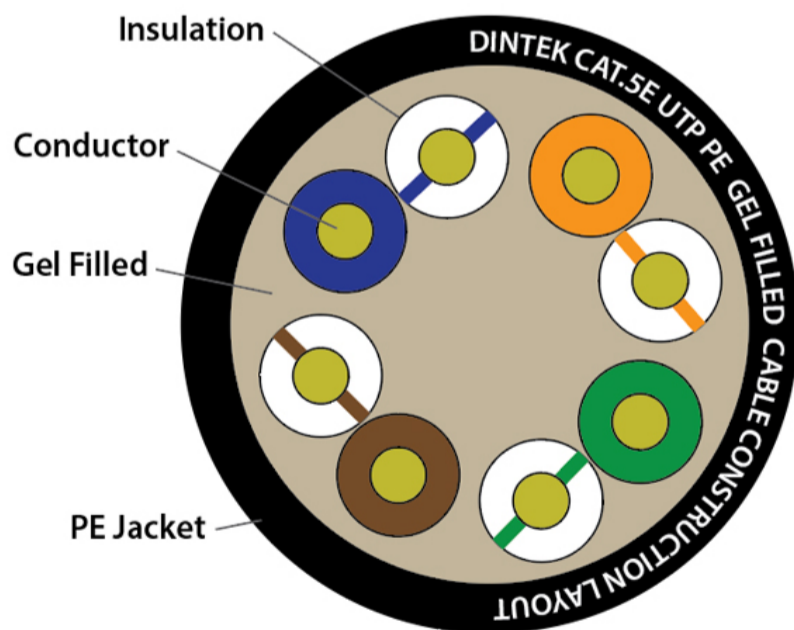
Standards Conformance

- 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
- UV Exposure testing according to ASTM G154 & G155

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
10	6.5	50.3	25.0
16	8.2	47.3	25.0
20	9.3	45.8	25.0
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.



Ordering Information

Product Number	Product Name	CPR Reaction To Fire	Color	Length Qty	Qty / Pallet
1101-03039	PowerPRO 4P Cat.5e U/UTP 24AWG PE Cable	Fca	Black	305Mtr Reel	27

Construction

Conductor

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

Insulation

Material	HDPE
Diameter	0.9mm ± 0.05mm
Colors	Blue/White Orange/White Green/White Brown/White
Pair Foil Wrap	None

Jacket

Material	Polyethylene
Diameter	5.7mm ± 0.5mm
Color	Black
CPR Reaction To Fire	Fca: according to EN 13501-6
Foil Shield	None
Braided Shield	None
Water Blocking Compound	Gel Filled
Self Support System Solid Galvanized	Solid Galvanized steel wire 1.2mm (17AWG)

Physical Ranges

Jacket

Min. Bending Radius	Without load 4 x Outer Diameter / Under load 8 x Outer Diameter
Max. Pulling Tension	110N
Installation Temperature	0°C to +50°C
Operating Temperature	-20°C to +60°C

Electrical

Conductor Resistance	Max. 9.38Ω/100m at 20°C
DC Resistance Unbalance	Max. 2% at 20°C
Pair-to-Ground Capacitance Unbalance	Max. 160 pF/m at 1 kHz
Dielectric Strength of Insulation	1KV for 1 min
Insulation Resistance Test (500V)	Min. 5000 MΩ/Km at 20°C
Mutual Capacitance	Max. 5.6 nF/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

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