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PowerPRO Cat.5e 25 Pair UTP PVC Cable

DINTEK PowerPRO™ Category 5E UTP cable, has been designed to support high speed data transmission systems.

This cable is part of the PowerPRO™ System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing. We recommend that the full range of PowerPRO™ products is used in a system to maximize cabling performance, providing extended frequency response and enhanced bandwidth.

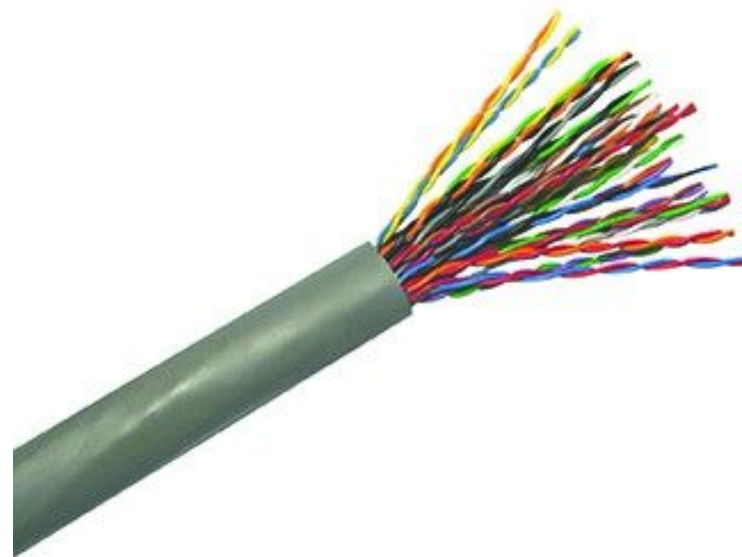
When combined as an end to end solution, the PowerPRO™ system, when installed by a certified installer can be warranted for 25yrs.

Applications

- Voice | ISDN
- 10Base T(IEEE 802.3)
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps ATM

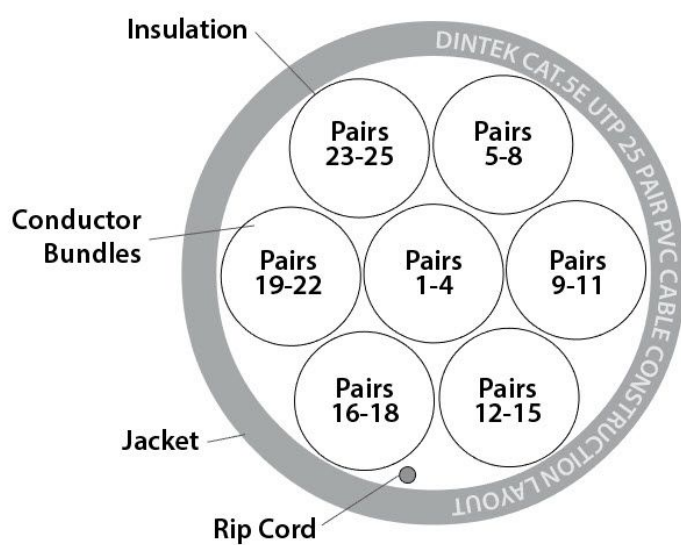
Standards Conformance

- UL, ETL Verified
- ANSI/TIA-568-2.D
- ISO/IEC 11801
- EN 50173



Performance Statistics

Frequency Mhz	Insertion Loss dB / 100mtrs	NEXT (dB)	
1	2.0	62.0	
4	4.1	53.0	
8	5.8	48.0	
10	6.5	47.0	
16	8.2	44.0	
20	9.3	42.0	
25	10.4	41.0	
31.25	11.7	39.0	
62.5	17.0	35.0	
100	22.0	32.0	



Ordering Information

Product Number	Product Name	Jacket Type	Color	Length Qty
1101-02003	PowerPRO Cat.5e 25 Pair UTP PVC Cable	PVC	Gray	305m/Reel

Technical Specifications

Construction	
Conductor	
Material	Annealed Copper
Wire Size	24AWG
Insulation	
Material	HDPE
Thickness	Approx. 0.2 mm
Diameter	Approx. 0.91 mm
Jacket	
Material	PVC
Thickness	Thickness: Approx. 1.5 mm
Diameter	14±0.5 mm
Color	Gray
	CM
Physical Ranges	
Jacket	
Min. Bending Radius	140mm
Max. Pulling Tension	25lb / kg (8-10kg)
Installation Temperature	0°C to +50°C
Operating Temperature	-20°C to +70°C
Electrical	
Conductor Resistance	93.8Ω ± 15 Ω at 20°C
DC Resistance Unbalance	3% MAX./100m
Pair-to-Ground Capacitance Unbalance	330 pF/100m
Insulation Resistance Test	500MΩ/100m min.
Mutual Capacitance	5.6 nF/100m
Impedance 1~100MHz	100±15 ohms

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1101-02003