

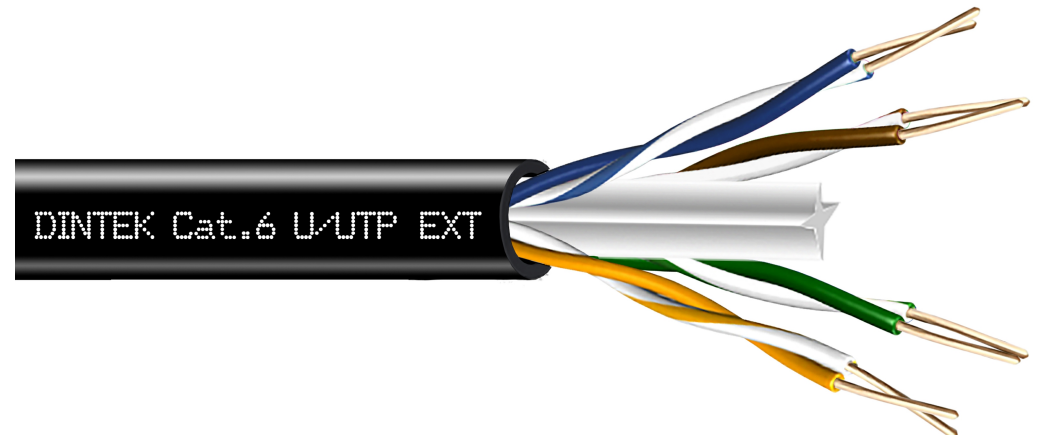
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PowerMAX Exterior Cat.6 U/UTP 23AWG Cable

DINTEK PowerMAX™ Category6 4 Pair Exterior (Industrial) 23AWG UTP cable, has been designed to support high speed Gigabit data transmission systems to a distance not exceeding 100mtrs.

For Outdoor or conduit situations, this cable is part of the PowerMAX™ 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 PowerMAX™ products are used in a system to maximize cabling performance, providing extended frequency response and enhanced bandwidth.

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



Applications

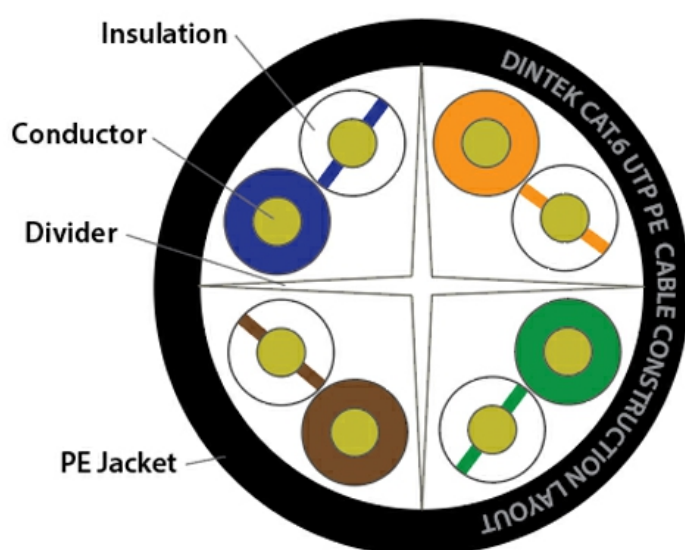
- For Outdoor or Aerial Applications
- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

Standards Conformance

- ISO/IEC11801 2nd edition CLASS E
- ANSI/TIA-568-C.2 Cabling Standard
- CENELEC EN 50173-1,CENELEC
- EN 50288-5-1,IEC 61156-5 for horizontal cable
- Flame retardancy is verified according to IEC 60332-1-2

Performance Statistics

Frequency Mhz	Insertion Loss dB / 100mtrs	NEXT (dB)	Return Loss (dB)
1	2.0	74.3	20.0
4	3.8	65.3	23.0
10	6.0	59.3	25.0
16	7.6	56.2	25.0
20	8.5	54.8	25.0
31.26	10.7	51.9	23.6
62.5	15.4	47.4	21.5
100	19.8	44.3	32.3
150	24.9	41.4	30.8
200	29.0	39.9	18.0
250	32.8	38.3	17.3



Ordering Information

Product Number	Product Name	Jacket Type	Color	Length Qty
1101-04014	PowerMAX Exterior Cat.6 U/UTP 23AWG Cable	PE	Black	305m/Reel

Technical Specifications

Construction

Conductor

Material	Solid Annealed Copper Wire
Wire Size	23AWG

Insulation

Material	HDPE
Thickness	0.22mm
Diameter	1.01± 0.05mm
Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown

Jacket

Material	PE
Thickness	0.6mm
Diameter	6.4±0.2mm
Color	Black
Self Support System	Galvanized Steel Wire - ~1.2mm

Physical Ranges

Jacket

Min Elongation (%)		
	Before Aging	Jacket Unaged Elongation:Min.350%
Min. Bending Radius		25mm
Max. Pulling Tension		25lb

Electrical

Conductor Resistance	Max. 9.38Ω/100m at 20°C
DC Resistance Unbalance	Max. 5%
Dielectric Strength of Insulation	1500V DC / 2 seconds
Insulation Resistance Test	Min.5000MΩ.Km DC at 20°C
Impedance 1~100MHz	100Ω±15% (1~250MHz)
Impedance 100~250MHz	100Ω±15% (1~250MHz)

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