

DINTEK PowerMAX™ Cat 6 UTP



The DINTEK PowerMAX™ Category 6 solutions are guaranteed to exceed Class E channel specifications as set down in International standards.

Our PowerMAX™ solution comprises Category 6 component compliant patch panels, keystones and patch cords.

When combined with DINTEK's Category 6 UTP cable, an end-to-end channel exists that maximises data throughput and provides headroom for all future technologies operating beyond one Gigabit.

Combined with other DINTEK PowerMAX™ Products, our Category 6 cable is the perfect solution to your voice and data communications needs.

SPECIFICATIONS

New Ezi-Flow Exit Tube System

- Wider exit tube and box re-design allows for a tangle free experience

Cable Data:

- No. of Pairs: 4
- Assembly: 4 pairs of dielectric core shall be stranded in circular form
- Conductor: 23AWG (1x0.56±0.007mm) solid anneal copper wire
- Insulation material: HDPE
- Insulation Thickness mini. at any point: 0.22mm
- Diameter of dielectric core: 1.0±0.05mm
- Material of jacket: PVC/LSZH
- Thickness of jacket: AVG 0.6mm
- Nominal O.D.: 6.4±0.2mm

Product Electrical Characteristics:

- Impedance: 100 Ohm ±15%
- Spark test: 2.5KV
- D.C.R (Max.) Ohm/100m : 9.38 at 20 degC
- D.C.R. Unbalance (Max.) : 5% MAX./100m
- Mutual Capacitance, Max. nF/100m : 5.6
- Capacitance unbalance (Pair to Grnd) Max. : 330 pf/100m
- DC Insulation Resistance (Min.): 1500M ohm/km
- Dielectric Strength: 2500 Vdc / 3 seconds max.

LSZH CABLE STANDARDS COMPLIANCE

- Vertical Flame Test - IEC 60332-1
- Smoke Density - (ASTM E662)
- 3 Meter Cube Smoke Density - (IEC61034-1)
- Halogen Acid Gas Content - (IEC60754-1)
- PH Value Of Combustion Gas - (IEC60754-2)
- Oxygen index - (ASTM D2863)
- Temperature index - (ASTMD 2863)

APPLICATION

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video

ORDERING INFORMATION

1101-04004	Cat.6, 4P, UTP, 23AWG, Solid, PVC, Grey, 305mtr Box
1101-04011	Cat.6, 4P, UTP, 23AWG, Solid, LSZH, Grey, 305mtr Box

• Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m	ELFEXT (dB/ 100m)
1	2.0	74.3	72.3	67.8
4	3.8	65.3	63.3	55.8
10	6.0	59.3	57.3	47.8
16	7.6	56.2	54.2	43.7
20	8.5	54.8	52.8	41.8
31.25	10.7	51.9	49.9	37.9
62.5	15.4	47.4	45.4	31.9
100	19.8	44.3	42.3	27.8
200	29.0	39.8	37.8	21.8
250	32.8	38.3	36.3	19.8

DINTEK Category 6 Product Benefits

Category 6 Products exceed all TIA and ISO specifications for Category 5e/6 cabling systems and components

- They have been Independently confirmed for system performance

- Meets FCC parts 68
- ANSI/TIA-568-C.2
- ISO/IEC 11801

- DINTEK Cat 6 products can be warranted for 25 years

- Cat6 products are Interoperable with DINTEK and other standards compliant products

- Independently been confirmed for Gigabit Ethernet applications

- Having a single vendor solution ensures best system performance

- Our products meet or exceed performance requirements for existing and proposed high-speed network applications including:

- 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



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