

Category 5e UTP Cable

Digilink Category 5e UTP cable consists of 100-Ohm impedance, 4 pair UTP cables for horizontal installations in local area networks (LANs). All cables meet and exceed Category 5e Class D performance requirements in ANSI/TIA-568-C.2 and ISO/IEC 11801 standards.



MECHANICAL SPECIFICATIONS

Outer Diameter	Nominal diameter 5.1mm 4 twisted pair
Conductor Type	24 AWG bare solid copper
Jacket Material	PVC
Standard Colour	Grey

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ω@ 1-100 Mhz
DC Resistance	72 Ω/km (max)
Voltage Rating	72 Vdc max
Dielectric Strength	1500pF/km max. @ 1 KHz
Insulation Resistance	500MΩ/km(min)@500 Vdc
Velocity of Propagation (NVP)	69%

PRODUCT FEATURES

- Exceptional material properties and cable design
- High ACR values-providing low BER (Bit Error-Rate)
- Extremely high pair-balance-providing excellent EMC (Electromagnetic compatibility)
- Minimum radiations and maximum noise immunity
- Unique hologram sticker for authenticity
- UL94V-0 rated plastic
- RoHS Compliance
- UL/ETL Verified, UL listed
- ANSI/TIA-568-C.2 Category 5e
- ISO/IEC-11801 (2nd edition) Class D

PERFORMANCE CHARACTERISTICS ANSI/TIA-568-C.2 (HORIZONTAL CABLE)

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns/100m)
0.772	19.4	n/s	n/s	n/s	n/s	n/s	n/s	n/s
1	20.0	2.0	65.3	63	62.3	63.8	60.8	570
4	23.0	4.1	56.3	52	53.3	51.7	48.7	552
8	24.5	5.8	51.8	46	48.8	45.7	42.7	547
10	25.0	6.5	50.3	44	47.3	43.8	40.8	545
16	25.0	8.2	47.3	39	44.3	39.7	36.7	543
20	25.0	9.3	45.8	37	42.8	37.7	34.7	542
25	24.3	10.4	44.3	34	41.3	35.8	32.8	541
31.25	23.6	11.7	42.9	31	39.9	33.9	30.9	540
62.5	21.5	17.0	38.4	21	35.4	27.8	24.8	539
100	20.1	22.0	35.3	13	32.3	23.8	20.8	540

NUMBER	DESCRIPTION
DCECAUTP4P3X	Category 5e, 4 Pair UTP Cable 305m

Note: This cable is used for low Voltage signal transmission used in IT industry.