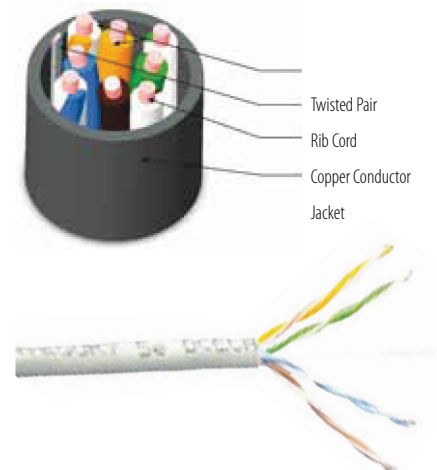


# Category 5e UTP Cable

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	<b>Nominal diameter 5.1mm 4 twisted pair</b>
Conductor Type	<b>24 AWG bare solid copper</b>
Jacket Material	<b>PVC</b>
Standard Colour	<b>Grey</b>

## ELECTRICAL SPECIFICATIONS

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

## 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
<b>DCECAUTP4P3X</b>	Category 5e, 4 Pair UTP Cable 305m

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