

# Category 6 UTP Cable

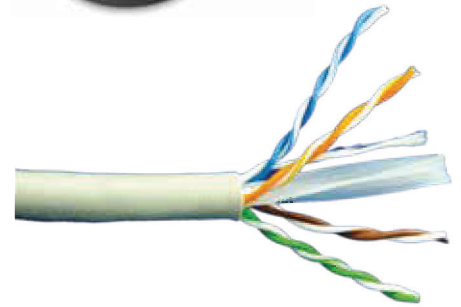
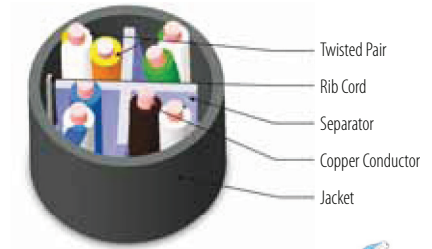
Digilink Category 6 UTP cable consists of 100-Ohm impedance, 4 pair UTP cables for horizontal installations in local area networks (LANs). All cables meet and exceed Category 6/Class E requirements in ANSI/TIA-568-C.2, and ISO/IEC 11801.

### MECHANICAL SPECIFICATIONS

Outer Diameter	<b>Nominal diameter 6.0mm 4 twisted pair</b>
Conductor Type	<b>23 AWG bare solid copper</b>
Jacket Material	<b>PVC, LSZH Jacket</b>
Standard Colour	<b>Grey</b>

### ELECTRICAL SPECIFICATIONS

Characteristic Impedance	<b>100±6 Ω@ 1-300 Mhz</b>
DC Resistance	<b>72 Ω/km (max)</b>
Voltage Rating	<b>72 Vdc max</b>
Dielectric Strength	<b>1500 V/1 minute min rms</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 Compliant
- UL/ETL Verified, UL listed
- ANSI/TIA-568-C.2 Category 6

### 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)
1	20.0	2.0	74.3	72	72.3	67.8	64.8	570
4	23.0	3.8	65.3	61	63.3	55.8	52.8	552
8	24.5	5.3	60.8	55	58.8	49.7	46.7	547
10	25.0	6.0	59.3	53	57.3	47.8	44.8	545
16	25.0	7.6	56.2	49	54.2	43.7	40.7	543
20	25	8.5	54.8	46	52.8	41.8	38.8	542
25	24.3	9.5	53.3	44	51.3	39.8	36.8	541
31.25	23.6	10.7	51.9	41	49.9	37.9	34.9	540
62.5	21.5	15.4	47.4	32	45.4	31.9	28.9	539
100	20.1	19.8	44.3	25	42.3	27.8	24.8	538
150	18.9	24.7	41.7	16.9	39.7	24.3	21.3	537
200	18.0	29.0	39.8	10.8	37.8	21.8	18.8	537
250	17.3	32.8	38.3	5.5	36.3	19.8	16.8	536

NUMBER	DESCRIPTION
<b>DC6CAUTP4P3X</b>	Category 6, 4 Pair UTP Cable 305m
<i>Note: This cable is used for low Voltage signal transmission used in IT industry</i>	