

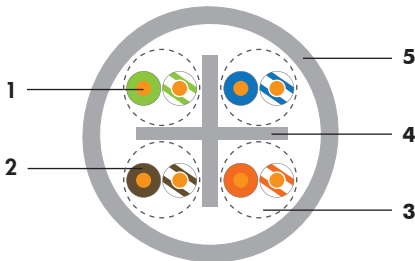


## Installation Cable U/UTP Cat.6, PrimeLine, LSZH

LogiLink's CAT6 unshielded twisted pair (UTP) cable is preferable for indoor high speed networks. This CAT6 UTP cable is well suited for voice, data, video, and security applications. It meets or exceeds industry standards. The 23 AWG diameter solid bare copper conductors are configured in unshielded twisted pairs for low attenuation and excellent crosstalk qualities. This CAT 6 UTP cable is jacketed in low smoke zero halogen (LSZH) coating, and is intended for indoor usage.

### Technical Specifications

- U/UTP Cat.6 tested up to 350 MHz
- 4 x 2 x 23 AWG Bare copper conductors
- According to IEC 61156-6, ISO/IEC 11801, EN 50173-1, EIA/TIA 568C.2
- Sheath: LSZH, grey



- 1. Conductor:** 100% copper solid wire
- 2. Insulation:** PE compound
- 3. Twisting:** 2 cores twisted in a pair
- 4. Separating cross element:** MDPE compound
- 5. Outer jacket:** LSZH compound

Part no.	Length (m)	EAN
CQ2100U	100	4052792027440
CQ2305U	305	4052792027457
CQ2500U	500	4052792041613

Cable type	Dimension	Sheath	Sheath Color	Outer diameter (mm)	Cable weight (kg/km)
Indoor	4x2x23 AWG	FR LSZH	Grey	6.0	40

### Packing

The cables are delivered on non-returnable carton boxes of 305m or on plywood bobbins of 500m or 1000m

### Operation Conditions

	Static	Dynamic
<b>Temperature range</b> (Indoor)	-20°C to +60°C	0°C to +50°C
<b>Bending radius</b>	Static 4 x D	Dynamic 8 x D
<b>Fire behaviour</b> FR LSZH cable	IEC 60332-1, IEC 60754-2, IEC 61034	



\* The specifications and pictures are subject to change without notice.  
\*All trade names referenced are the registered network of their respective owners.

## Basic Transmission Characteristics (20°C)

Frequency MHz	Attenuation dB/100m		NEXT dB		ELFEXT dB		Return loss dB	
	Cat 6 max.	CABLEL	Cat 6 max.	CABLEL	Cat 6 min.	CABLEL	Cat 6 min.	CABLEL
1	2.1	1.8	75	90	68	82	20.0	25
4	3.8	3.5	66	80	56	75	23.0	30
10	6.0	5.6	60	75	48	67	25.0	34
16	7.6	7.2	57	70	44	65	25.0	35
31.25	10.7	10.1	53	68	38	60	23.6	35
62.5	15.05	14.4	48	62	32	53	21.5	33
100	19.9	18.4	45	60	28	50	20.1	30
250	33.0	29.1	39	57	20	44	17.3	25
300	-	34.8	-	53	-	41	-	23
350	-	38.5	-	48	-	39	-	22

## Basic Electrical Characteristics (20°C)

- DC Conductor Resistance:  $\leq 86$  Ohm/km
- Insulation Resistance:  $\geq 5000$  M $\Omega$ km / 500 VDC
- Mutual Capacitance:  $50 \pm 2$  nF/km / 1.0 KHz
- Capacitance pair to ground:  $\leq 500$  pF/km / 1.0 KHz
- Characteristic Impedance:  $100 \pm 15\%$   $\Omega$  / 1-100 MHz;  
 $100 \pm 18\%$   $\Omega$  / 100-250 MHz
- Velocity of Propagation: 68% nom.
- Operating Voltage: 100 V max.
- Dielectric Strength: 1000 Volts / 1 minute DC

## Identification Color Coding

- Pair 1: White/Blue - Blue
- Pair 2: White/Orange - Orange
- Pair 3: White/Green - Green
- Pair 4: White/Brown - Brown

## Sheath Marking

"LogiLink U/UTP 4x2x23 AWG Cat6 250 MHz LSZH in accordance with ISO/IEC 11801 + EN 50173-1 + EIA/TIA 568 C.2 – Length m"



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