



# SM (CABLES)

Low voltage wiring, flexible and special cables



## STANDARDS




TIA 568-B.2  
EN 50288  
EN 50173  
UL




## UTP CAT-6

UTP LAN Data Cable

### CONSTRUCTION (Cu/Rubber/Rubber)

- 1  **Conductor**  
Bare Copper(23 AWG)
- 2  **Insulation**  
Low density polyethylene
- 3  **Outer Sheath**  
Polyvinyl Chloride / LSZH

### SPECIFICATIONS

 +60°C -20°C	Maximum and Minimum Operating Temperature	<70Ω/KM @ 20°C	Conductor Resistance
100 ± 15Ω	Standard Impedance	<16.8Ω/100	Ring Resistance
[25°] 250 V	Operating Voltage	60 MM	Minimum Bending Radius

### APPLICATIONS

10/100BASE (TIEEE 802.3) ATM(TP),ISDN,TP-DDI ETHERNET, 1000BASE-T GIGABIT-ETHERNET TOKEN RING (IEEE 802.5)

### MARKING

Embossed, or printed with CIJ in white or black indelible ink.

SM (CABLES) UTP CAT6 #X###CE

### TECHNICAL DATA

Frequency (MHz)	RL (dB)	ATT (dB/100)	NEXT (dB)	PS.NEXT (dB)	ELFEXT (dB)
<b>UTP CAT 6</b>					
0.772	19.44	1.84	76	74	70.0
1	20	2.04	74.3	72.3	67.8
4	23.01	3.81	65.3	63.3	55.8
8	24.52	5.35	60.8	58.8	49.7
10	25	5.99	59.3	57.3	47.8
16	25	7.6	56.2	54.2	43.7
20	25	8.52	54.8	52.8	41.8
25	24.32	9.57	53.3	51.3	39.8
31.25	23.64	10.74	51.9	49.9	37.9
62.3	21.54	15.48	47.4	45.4	31.9
100	20.1	19.92	44.3	42.3	27.8
125	19.42	22.49	42.8	40.8	25.9
200	18	29.15	39.8	37.8	21.8
<b>ITEM NR</b>	<b>SECTION</b>	<b>DIAMETER</b>	<b>KG/KM</b>		
UTP6PVC/UTP6LSZH	4x2xAWG23	6.10±0.2mm	50.0		

Specifications and technical data is provided in good faith and is believed to be correct at the time of publication. Actual products may differ in dimensions due to manufacturing tolerances. The information provided within this document is typical and is intended for guidance only. This specification and data is subject to changes without notice or liability.