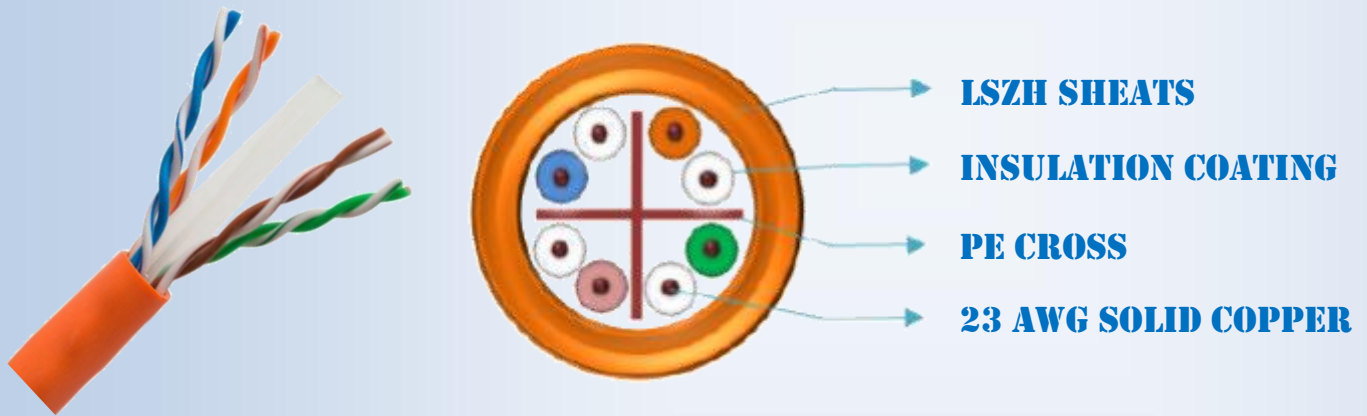




EVT U/UTP LSZH Cables are Excellent for Horizontal and Vertical Configurations.
EVT U/UTP LSZH Cables are Capable of Transmitting: -

- 10 BASE-T (IEEE 802.3) Ethernet
- 100 VG-AnyLAN (IEEE 802.12), 4/16 Mbps Token Ring (IEEE 802.5)
- 100 BASE-T / TX (IEEE 802.3 U) Fast Ethernet
- 100 Mbps CDDI, 155 Mbps ATM, 500 Mbps ATM
- 1000 BASE-T / TX (IEEE 802.3 AB) Gigabit Ethernet
- 10Gbit Ethernet



EVT-UC6AL23

INDOOR TYPE CAT-6A U/UTP 23 AWG
LSZH SHEATH CABLE

1. Cable Construction:

Conductor	: Annealed Copper Conductor 23 AWG.
Insulation	: Solid PE Insulation.
Stranding	: Insulated wires are twisted in pairs.
Separator	: The pairs are twisted together with a star separator.
Color Code of Conductors	: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

2. Length marking on the cable

The outer sheath will be marked in one-meter intervals as follows;

EVT CABLES <20xx> INDOOR CAT-6A U/UTP 23 AWG LSZH SHEATH XXXX MT

3. Color of Sheath

HFFR/LSZH (IEC 60332-1-2). Color depends on either customer request or stock availability.

4. Packing

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (EVT 20xx)

-Name of Customer

-CAT-6A U/UTP 23 AWG LSZH Sheath

-Gross Weight kg

-Net Weight kg

-Length meter

-Drum Numbers for each drum or package numbers for each package.

5. Cable Life Time

Designed cable has a minimum 25 years' service life time, if the cable is correctly installed.

6. Applications:

U/UTP Cable (Unshielded Twisted Pair Cable), is excellent for horizontal and/or vertical configuration, it constitutes the base of a voice and data networks to a very high rate.

Performances of this cable exceeds the current standards, it ensures conformity with Class E channel.

EVT cable is used for transmission of Digital and Analog voice, data and signals. It's capable of transmitting:

- 10 BASE-T (IEEE 802.3) Ethernet
- 100 BASE-T (IEEE 802.3 U) Fast Ethernet
- 100 BASE-TX (IEEE 802.3 U) Fast Ethernet
- 1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet
- 1000 BASE-TX (IEEE 802.3 AB) Gigabit Ethernet
- 100 VG-AnyLAN (IEEE 802.12)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100 Mbps CDDI
- 155 Mbps ATM
- 500 Mbps ATM
- 10Gbit Ethernet

7. Electrical Characteristics:

Conductor Resistance Nom (Ω/Km)	Insulation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
< 95	5.000	56	> %65	1000	100±15 1-500 MHz

8. Mechanical Characteristics:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	150 N. Max.	-20°C ~ +60°C

9. Standards of Cable:

- ANSI/TIA-568-C.2
- IEC-61156-5
- IEC-11801
- EN-50173-1
- EN-50288-10-1

10. Transmission Characteristics:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.1	20.0	74.3	72.3	67.8	64.8	570
4	3.8	23.0	65.3	63.3	55.8	52.8	552
8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	5.9	25.0	59.3	57.3	47.8	44.8	545
16	7.5	25.0	56.2	54.2	43.7	40.7	543
20	8.4	25.0	54.8	52.8	41.8	38.8	542
25	9.4	24.3	53.3	51.3	39.8	36.8	541
31.25	10.5	23.6	51.9	49.9	37.9	34.9	540
62.5	15.0	21.5	47.4	45.4	31.9	28.9	539
100	19.1	20.1	44.3	42.3	27.8	24.8	538
200	27.6	18.0	39.8	37.8	21.8	18.8	537
250	31.1	17.3	38.3	36.3	19.8	16.8	536
300	34.5	16.8	37.1	35.1	18.3	15.3	536
400	40.1	15.9	35.3	33.3	15.8	12.8	536
500	45.3	15.2	33.8	31.8	13.8	10.8	536

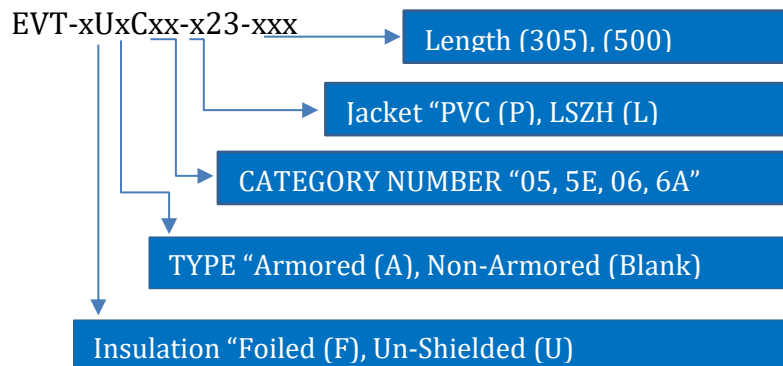
Delay skew $\leq 45\text{ns}/100\text{m}$ (1-500MHz.)

11. Core Identification:

Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4 Pair	0.56 $\pm$ 0,01	6.5 $\pm$ 0,3	17,5 $\pm$ 0,4	42	305/500/1000

< suitable for analog and digital signal transmission up to 500 Mbit/sec.>

ORDERING INFORMATION: -



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