

Cable UTP CAT6 LSZH(24AWG)

P/N:EMT-UTP6-24AWG-LSZH-DCA

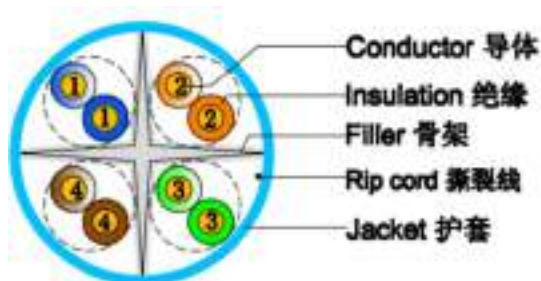
Version: A0

Date: 2024-10-19

Applications

The sheath material is low smoke halogen free, the combustion performance meets CPR Dca
This Cable meet ROHS requirement, Confidential information

Construction&Dimensions



- **Conductor**

Material: Solid bare copper

Diameter: 0.51 ± 0.01 mm

- **Insulation**

Material: HDPE

Nominal thickness: 0.20 mm

Nominal diameter over insulation: 0.92 ± 0.05 mm

- **Cable core**

4 number of Twisted pair stranded together to form the main core

Colour code pair 1 White / Blue、Blue

Colour code pair 2 White / Orange、Orange

Colour code pair 3 White / Green、Green

Colour code pair 4 White / Brown、Brown

- **Filler :**

- **Rip Cord:** Nylon ripcord under jacket

- **Jacket:**

Material: LSZH

Min thickness: 0.45mm

Diameter: 5.5 ± 0.5

- **Marking:**

To Be Determined

Electrical characteristics

Item	Parameter	Unit
Conductor resistance	≤ 9.38	$\Omega / 100m$
Resistance unbalance within a pair	≤ 2.0	%
Resistance unbalance between pairs	≤ 4.0	%
Insulation resistance	≥ 5000	M Ω Km
Mutual capacitance	≤ 5.6	nF/100m

MHz \ . ITEM	ATT	RL	NEXT	PS- NEXT	ELFEXT	PSELFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	3.0	19.1	65.0	62.0	64.2	61.2
4	3.5	21.0	64.1	61.8	52.1	49.1
8	5.0	21.0	59.4	57.0	46.1	43.1
10	5.5	21.0	57.8	55.5	44.2	41.2
16	7.0	20.0	54.6	52.2	40.1	37.1
20	7.9	19.5	53.1	50.7	38.2	35.2
25	8.9	19.0	51.5	49.1	36.2	33.2
31.25	10.0	18.5	50.0	47.5	34.3	31.3
62.5	14.4	16.0	45.1	42.7	28.3	25.3
100	18.6	14.0	41.8	39.3	24.2	21.2
200	27.4	11.0	36.9	34.3	18.2	15.2
250	31.1	10.0	35.3	32.7	16.2	13.2

NOTE: FLUKE TIA Cat6 Perm .Link Test 85M

Mechanical characteristics

Item	Parameter	Unit
Minimum elongation at break of the sheath	≥ 125	%
Minimum Tensile strength of sheath	≥ 10.0	MPa

Storage Temperature range: -15°C to + 50°C

Installation Temperature range: 0°C to + 50°C

Fire performance

Meet the CPR Dca

Packing information

Cable Length : 305 m $\pm$ 1.5 m

Pull BOX Size (cm) : 39x39x21.5cm