

Cable F/UTP CAT6 LSZH

P/N: EMT-FTP6-23AWG.1-LSZH-DCA

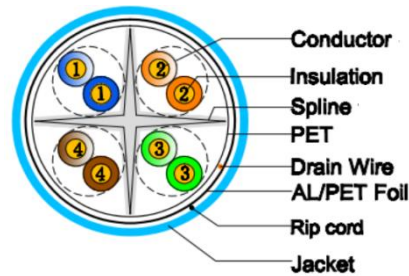
Version: A0

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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: $0.53 \pm 0.01 \text{ mm}$

● Insulation

Material: HDPE

Nominal thickness: 0.26 mm

Nominal diameter over insulation: $1.06 \pm 0.05 \text{ mm}$

● 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

● Outer Shield:

Material: Aluminum Foil-Polyester Tape

● Outer Shield Drain Wire

Material: CCS

Diameter: $0.50 \pm 0.01 \text{ mm}$

● Rip Cord: under the sheath

● Jacket:

Material: LSZH

Diameter: $7.2 \pm 0.5 \text{ mm}$

Marking: To Be Determined

Electrical characteristics

Item	Parameter	Unit
Conductor resistance	≤ 9.5	$\Omega / 100m$
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
NVP	67	%

ITEM MHz	ATT	RL	NEXT	PS- NEXT	ACR-F	PS ACR-F
	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

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 +60°C

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

Combustion performance:

Meet the CPR Dca

Packing information

Cable Length : 305 m $\pm$ 1.5 m

Reel/Spool Size (cm) : Disk diameter x total height x cylinder core: 40x27x22cm