

LONGTRONIC® Ethernet Cable CAT7

S/FTP 4x2x23AWG/1 LSZH

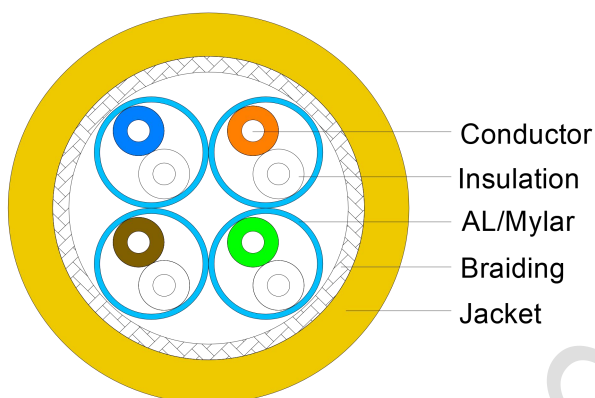
Description

Individual and collective screened supported excellent EMC performance.

The cable is used for data transmission with characteristic impedance of 100ohm .

23AWG/1 BC conductor, Foamed PE insulation, AL/Mylar individual screen, Tinned copper braiding overall screen, LSZH jacket.

Design



Conductor 0.560mm solid bare copper wire

Insulation Foamed PE

OD:1.34 ± 0.05mm

Color: Pair1: White, Blue

Pair2: White, Orange

Pair3: White, Green

Pair4: White, Brown

Individual screen AL/Mylar

Overall screen Tinned copper braiding, coverage ≥ 85%

Jacket LSZH

Color :Yellow (Similar to RAL1021)

OD: 8.20 ± 0.30mm

Marking ZHAOLONG □ LONGTRONIC® □ ETHERNET □ CAT7 □ S/FTP □ 4x2x23AWG/1 □ LSZH □

IEC □ 60332-1-2 □ XXXXXX □ ****m

Note:

- means blank;
- XXXXXX means batch number;
- ****m means meter

Electrical Characteristics(20℃)

Conductor DC resistance:	≤95ohm/km
DC Resistance Unbalance:	≤5%
Dielectric Strength:	DC1KV for 1min(conductor to conductor,conductor to screen)
Insulation Resistance:	≥5000M Ω .km
Transmission performance:	IEC 61156-5

Frequency MHz	ATT dB/100m Max.	RL dB Min.	NEXT dB Min.	PS NEXT dB Min.	ACR-F dB Min.	PS ACR-F dB Min.	Phase Delay ns/100m Max.
*1.00	2.0	20.0	78.0	75.0	78.0	75.0	570.0
4.00	3.7	23.0	78.0	75.0	78.0	75.0	552.0
8.00	5.2	24.5	78.0	75.0	75.9	72.9	546.7
10.00	5.9	25.0	78.0	75.0	74.0	71.0	545.4
16.00	7.4	25.0	78.0	75.0	69.9	66.9	543.0
20.00	8.3	25.0	78.0	75.0	68.0	65.0	542.0
25.00	9.3	24.3	78.0	75.0	66.0	63.0	541.2
31.25	10.4	23.6	78.0	75.0	64.1	61.1	540.4
62.50	14.9	21.5	75.5	72.5	58.1	55.1	538.6
100.00	19.0	20.1	72.4	69.4	54.0	51.0	537.6
200.00	27.5	18.0	67.9	64.9	48.0	45.0	536.5
250.00	31.0	17.3	66.4	63.4	46.0	43.0	536.3
300.00	34.2	17.3	65.2	62.2	44.5	41.5	536.1
400.00	40.0	17.3	63.4	60.4	42.0	39.0	535.8
500.00	45.3	17.3	61.9	58.9	40.0	37.0	535.6
600.00	50.1	17.3	60.7	57.7	38.4	35.4	535.5

Note: (*)The cable performance between 1 MHz and 4 MHz is achieved by design only and it is therefore not necessary to test for this performance below 4 MHz.

Other Characteristics

Operating temperature	Fixed: -40 ~ +80 ℃
Installation temperature	-20 ~ +60 ℃
Min bending radius	Fixed: 8× OD
Flame resistance	IEC 60332-1-2
This cable meets RoHS requirements	

Packing information

Packaging	500m / drum;
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