

LONGTRONIC® Ethernet Cable CAT6A

P/N: ZL5204061

Revision: A/03

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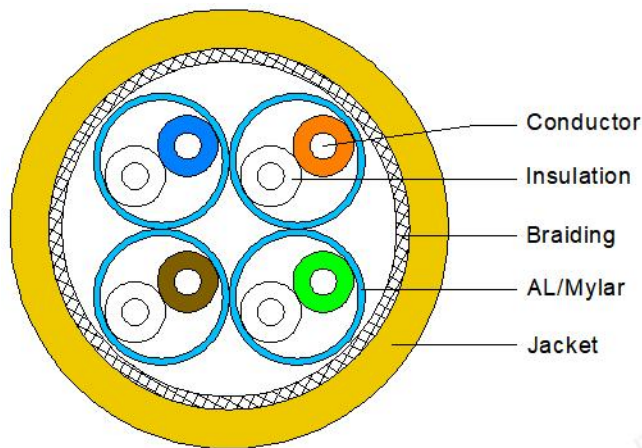
S/FTP 4x2x23AWG/1 LSZH

Description

This is a cable with 100ohm characteristic impedance for data transmission.

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

Design



Conductor: 0.560mm solid bare copper wire

Insulation: Foamed PE

O.D.: 1.34 ± 0.05 mm

Color: Pair1: White,Blue Pair2: White,Orange

Pair3: White,Green Pair4: White,Brown

Individual screen: AL/Mylar

Overall screen: Tinned copper braiding, coverage $\geq 85\%$

Jacket: LSZH

Color: Yellow (Similar to RAL1021)

OD.: 8.20 ± 0.40 mm

Marking: ZHAOLONG □ LONGTRONIC® □ ETHERNET □ CAT6A □ S/FTP □ $4 \times 2 \times 23$ AWG/1

□ LSZH □ □ □ □ □ E324007 □  □ AWM □ 20851 □ 80 °C □ 30V □ FT2 □ □ □ □

□ XXXXXX □ ****m

Electrical Characteristics(20℃)

Conductor DC resistance:	≤93.8ohm/km
Resistance unbalance:	≤5%
Insulation Resistance:	≥5000M Ω .km
Dielectric strength:	DC1KV for 1min
Characteristic impedance:	100±15ohm at 100MHz
Transmission performance	IEC 61156-5

Frequency MHz	ATT dB/100m Max.	RL dB Min.	NEXT dB Min.	PSNEXT dB Min.	ACRF dB Min.	PSACRF dB Min.
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
8	5.3	24.5	60.8	58.8	49.7	46.7
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
25	9.4	24.3	53.3	51.3	39.8	36.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15.0	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	37.1	35.1	18.3	15.3
400	40.1	15.9	35.3	33.3	15.8	12.8
500	45.3	15.2	33.8	31.8	13.8	10.8

Other Characteristics

Operating temperature	Fixed: -40 ~ +80 ℃
Installation temperature	-20 ~ +60 ℃
Min bending radius	Fixed: 8×OD
Halogen free:	IEC 60754-1, IEC 60754-2
Flame resistance:	FT2, IEC 60332-1-2
This cable meets RoHS requirements	

Packing information

Packaging	500 m / drum
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Prepared by: Yunkang Shen	Checked by: Binbin Li	Approved by: Binbin Li
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