

LONGTRONIC® Ethernet Cable CAT6

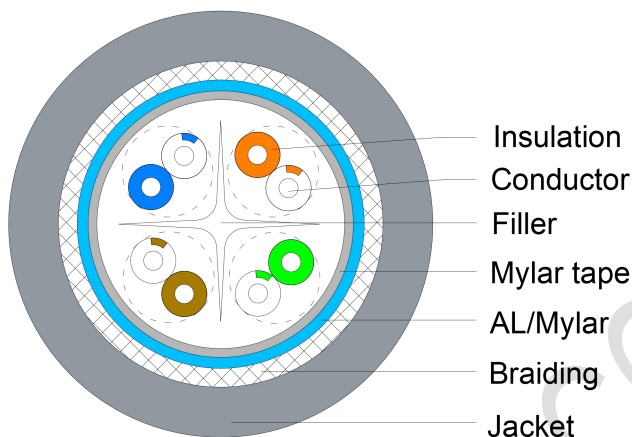
SF/UTP 4x2x23AWG/1 LSZH

Description

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

23AWG/1 solid bare copper conductor, HDPE insulation, PE cross filler, Mylar tape, AL/Mylar+Tinned copper braiding overall screen, LSZH jacket.

Design



Conductor 0.565mm solid bare copper wire

Insulation HDPE

OD:1.110±0.05mm

Color: Pair1: White/Blue, Blue

Pair2: White/Orange, Orange

Pair3: White/Green, Green

Pair4: White/Brown, Brown

Filler PE cross filler

Tape Mylar tape

Overall screen AL/Mylar

Tinned copper braiding, coverage ≥ 85%

Jacket LSZH

Color: Gray (Similar to RAL7001)

OD:8.10±0.30mm

Marking ZHAOLONG □ LONGTRONIC® □ ETHERNET □ CAT6 □ SF/UTP □ 4PR □ 23AWG □ LSZH

□ IEC □ 60332-1-2 □ XXXXXX □ ****m

Note:

1. □ means blank;
2. XXXXXX means batch number;
3. ****m means meter

Electrical Characteristics(20℃)

Conductor DC resistance:	≤95ohm/km
Resistance unbalance:	≤5%
Insulation Resistance:	≥5000M Ω .km
Dielectric strength:	DC1KV for 1min
Transmission performance:	ANSI/TIA-568.2-D

Frequency MHz	ATT dB Max.	RL dB Min.	NEXT dB Min.	PSNEXT dB Min.	ACRF dB Min.	PSACRF dB Min.
1.00	3.0	19.1	65.0	62.0	64.2	61.2
4.00	3.5	21.0	64.1	61.8	52.1	49.1
8.00	5.0	21.0	59.4	57.0	46.1	43.1
10.00	5.5	21.0	57.8	55.5	44.2	41.2
16.00	7.0	20.0	54.6	52.2	40.1	37.1
20.00	7.9	19.5	53.1	50.7	38.2	35.2
25.00	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
62.50	14.4	16.0	45.1	42.7	28.3	25.3
100.00	18.6	14.0	41.8	39.3	24.2	21.2
200.00	27.4	11.0	36.9	34.3	18.2	15.2
250.00	31.1	10.0	35.3	32.7	16.2	13.2

Note: Category 6 Permanent link test extreme length 90m.

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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Prepared by: Yunkang Shen	Checked by: Binbin Li	Approved by: Binbin Li
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