

LONGTRONIC® Ethernet Cable CAT7A PVC

S/FTP 4x2x23AWG/1

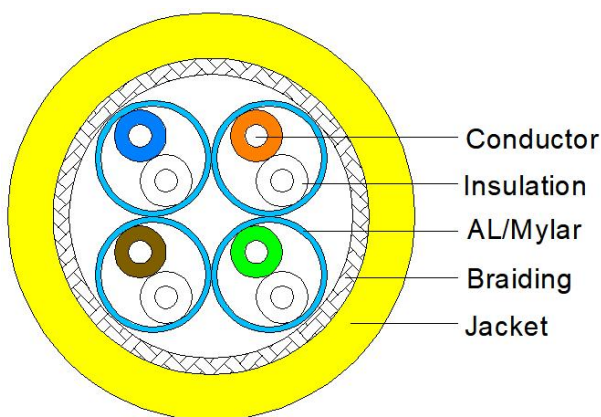
Description

Individual and collective screened supported excellent EMC performance.

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

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

Design



Conductor 0.580mm solid bare copper wire

Insulation PE-Foamed

OD: 1.38 ± 0.05 mm

Color: P1: White,Blue;

P2:White,Orange;

P3: White,Green;

P4:White,Brown;

Individual screen AL/Mylar

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

Jacket PVC

Color :Yellow (Similar to RAL1021)

OD: 8.30 ± 0.40 mm

Marking: ZHAOLONG □ LONGTRONIC® □ ETHERNET □ CAT7A □ S/FTP □ 4PR □ 23AWG □ PVC □ IEC60332-1

□ XXXXXX □ ****m

Note: □ means blank; ****m means meters; XXXXXX means batch number

Electrical Characteristics(20℃)

Conductor DC resistance:	≤ 93.8ohm/km
DC Resistance Unbalance:	≤ 5%
Dielectric Strength:	DC1KV for 1min(conductor to conductor,conductor to screen)
Insulation Resistance:	≥ 5000M Ω .km (IEC 61156-5)
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.
4	3.75	23.0	78.0	75.0	78.0	75.0
8	5.22	24.5	78.0	75.0	77.2	74.2
10	5.82	25.0	78.0	75.0	75.3	72.3
16	7.34	25.0	78.0	75.0	71.2	68.2
20	8.21	25.0	78.0	75.0	69.3	66.3
25	9.18	24.3	78.0	75.0	67.3	64.3
31.25	10.26	23.6	78.0	75.0	65.4	62.4
62.5	14.57	21.5	78.0	75.0	59.4	56.4
100	18.53	20.1	75.4	72.5	55.3	52.3
200	26.47	18.0	70.9	67.9	49.3	46.3
250	29.73	17.3	69.4	66.4	47.3	44.3
300	32.69	17.3	68.2	65.2	45.8	42.8
500	42.76	17.3	64.9	61.9	41.3	38.3
600	47.10	17.3	63.7	60.7	39.7	36.7
800	54.92	16.1	61.9	58.9	37.2	34.2
1000	61.93	15.1	60.4	57.4	35.3	32.3

Other Characteristics

Operating temperature:	Fixed:-40℃ to 80℃
Installation temperature:	-20℃ to 60℃
Min. Bending radius:	Fixed: 6D (Cable diameter)
Oil resistance(IRM902):	70℃*4h (EN 50290-2-22)
UV resistance:	UL1581 section1200
Flame resistance:	IEC 60332-1-2
This cable meets RoHS requirements	

Packing information

Packing length:	100m; 500m
Packaging:	reel; drum;

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