

Ethernet CAT5E

P/N: ZL5202284

Revision : A/01

SF/UTP 4x26AWG/19 PUR

Date: 2023-06-08

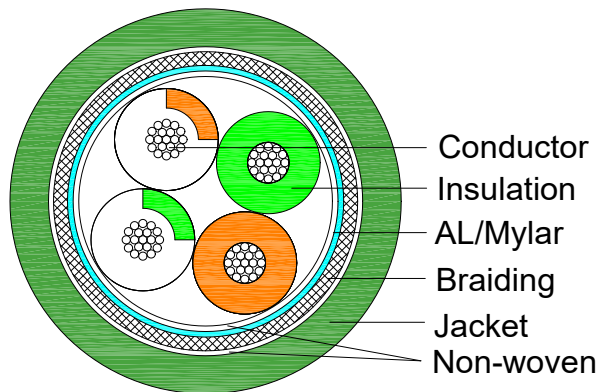
Description

Application for occasional movement.

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

26AWG/19 BC conductor, HDPE insulation, Non-woven, AL/Mylar and tinned copper braiding overall screen, Non-woven, PUR outer jacket.

Design



Conductor	19*0.100mm stranded bare copper wire		
Insulation	HDPE		
	OD:1.10±0.05mm		
Cabling	Color:	Pair 1: White/Green, Green	Pair 2: White/Orange, Orange
	Four wires stranded together to a quad		
Tape	Non-woven		
Overall screen	AL/Mylar		
	Tinned copper braiding, coverage≥85%		
Tape	Non-woven		
Outer jacket	PUR		
	Color :Green(Similar to RAL6018)		
Marking:	OD:5.0±0.3mm		
	ZHAOLONG□LONGTRONIC®□ETHERNET□CAT5E□SF/UTP□4x26AWG/19□PUR□		

□□□E324007□□AWM□20963□80℃□30V□FT2□□□□XXXXXX□****m

Note:

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

Electrical Characteristics(20℃)

Conductor DC resistance:	$\leq 145\text{ohm/km}$
Insulation resistance:	$\geq 5000\text{M}\Omega \cdot \text{km}$
Dielectric Strength:	DC 1.5KV for 1min
Characteristic impedance	$100 \pm 15\text{ohm}@1\text{-}100\text{MHz}$
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	3.0	17.0	60.0	57.0	57.4	54.4
4	4.5	17.0	53.5	50.5	45.4	42.4
8	6.3	17.0	48.6	45.6	39.3	36.3
10	7.1	17.0	47.0	44.0	37.4	34.4
16	9.1	17.0	43.6	40.6	33.3	30.3
20	10.2	17.0	42.0	39.0	31.4	28.4
25	11.4	16.0	40.3	37.3	29.4	26.4
31.25	12.9	15.1	38.7	35.7	27.5	24.5
62.5	18.6	12.1	33.6	30.6	21.5	18.5
100	24.0	10.0	30.1	27.1	17.4	14.4

Note: Category 5e channel test extreme length 60m.

Other Characteristics

Operating temperature:	-40℃ to 80℃
Installation temperature:	-20℃ to 60℃
Min bending radius:	Fixed: 4D(Cable diameter) Moving: 8D(Cable diameter)
Halogen free	IEC 60754-1
Flame resistance:	FT2, IEC 60332-1-2
Trailing chain test:	$\geq 5\text{million cycles}$ Drag chain route: 0.6m Bending radius: 50mm Test Acceleration: 60m/s^2 Speed: 1.4m/s

This cable meets RoHS requirements

Packing information

Packaging: 500m / drum;

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