

Industrial Cable CAT5E SF/UTP PVC

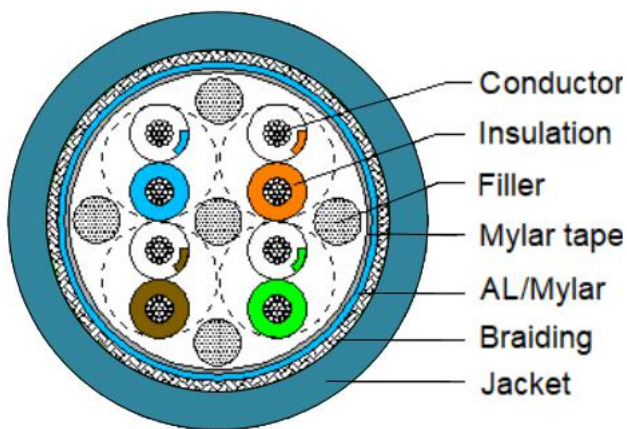
4x2x26AWG/19

Description

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

26AWG/19 BC conductor, HDPE insulation, Filler, Mylar tape, AL/Mylar Overall screen, Tinned copper braiding overall screen, PVC jacket.

Design



Conductor 19*0.10mm stranded bare copper wire

Insulation HDPE
OD:0.90±0.05mm

Color: 1.White/Blue, Blue 2.White/Orange ,Orange,
3.White/Green, Green 4.White/Brown, Brown,

stranding Stranded for four pairs stranded with filler

Tape Mylar tape

Overall screen AL/Mylar
Tinned copper braiding, coverage ≥85%

Jacket PVC
Color :Blue(RAL5021)
Nom. Thickness:0.70mm
OD:6.2±0.2mm

Marking: ZHAOLONG □ LONGTRONIC™ □ ETHERNET □ CAT5E □ SF/UTP □ 4PR □ 26AWG/19 □ PVC □ IEC60332-1 □
***** □ ****m

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

Electrical Characteristics(20℃)

Conductor DC resistance :	$\leq 14.8 \Omega /100m$
Conductor DC resistance Unbalance:	$\leq 5.0\%$
Capacitance Unbalance(pair to ground):	$\leq 330pf/100m$
Insulation Resistance:	$\geq 5000M \Omega .km$
Dielectric Strength :	DC1KV for 1min
Transmission performance:	FLUKE permanent link test for 30m (ANSI/TIA-568-C.2-CAT5E)

Frequency MHz	ATT dB Max.	RL dB Min.	NEXT dB Min.	PSNEXT dB Min.	ACR-F dB Min.	PS ACR-F dB Min.
1	3.0	19.0	60.0	57.0	58.6	55.6
4	3.9	19.0	54.8	51.8	46.6	43.6
8	5.5	19.0	50.0	47.0	40.6	37.5
10	6.2	19.0	48.5	45.5	38.6	35.6
16	7.9	19.0	45.2	42.2	34.5	31.5
20	8.9	19.0	43.7	40.7	32.6	29.6
25	10.0	18.0	42.1	39.1	30.7	27.7
31.25	11.2	17.1	40.5	37.5	28.7	25.7
62.5	16.2	14.1	35.7	32.7	22.7	19.7
100	21.0	12.0	32.3	29.3	18.6	15.6

Other Characteristics

Operating temperature:	-40℃ to 80℃
Installation temperature:	-20℃ to 60℃
Flame resistance:	IEC60332-1
Min bending radius	4XOD(fixed) 8XOD(moved)
Cold bend(-40±2℃x4h)	No visible cracks
Drag chain test:	≥ 5 million(R=50mm, speed=70times/min)
This cable meets RoHS requirements	

Packing information

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

Prepared by: Yanan Yao	Checked by: Yunxiang Yao	Approved by: Dequan Wang
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