

LONGTRONIC® ETHERNET Category 6

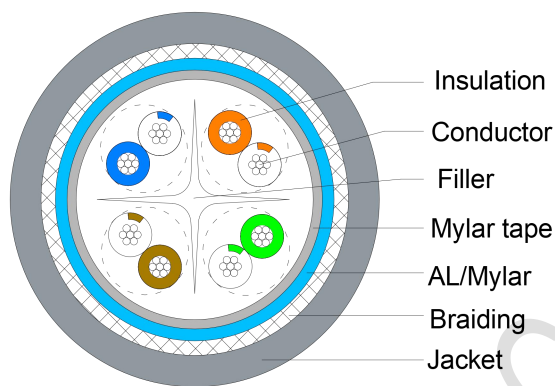
SF/UTP 4x2x24AWG/7 PUR

Description

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

24AWG/7 stranded BC conductor, HDPE insulation, PE cross filler, Mylar tape, AL/Mylar+Tinned copper braiding overall screen, PUR jacket.

Design



Conductor 7*0.200mm stranded bare copper wire

Insulation HDPE

OD: 1.10 ± 0.10 mm

Color: Pair 1: White/blue, Blue

Pair 2: White/orange, Orange

Pair 3: White/green, Green

Pair 4: White/brown, Brown

Filler PE cross filler

Tape Mylar

Overall screen AL/Mylar

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

Jacket PUR

Color : Gray (Similar to RAL7001)

OD: 8.00 ± 0.30 mm

Marking ZHAOLONG □ LONGTRONIC® □ ETHERNET □ FLEX □ CAT6 □ SF/UTP □ 4PR

□24AWG□PUR□IEC□60332-1-2□XXXXXX□****m

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

Electrical Characteristics(20℃)

Conductor DC resistance:	≤93.8ohm/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.	PS NEXT dB Min.	ACR-F dB Min.	PS ACR-F dB Min.
1.0	3.0	19.0	65.0	62.0	63.3	60.3
4.0	4.0	19.0	63.0	60.5	51.2	48.2
8.0	5.7	19.0	58.2	55.6	45.2	42.2
10.0	6.3	19.0	56.6	54.0	43.3	40.3
16.0	8.0	18.0	53.2	50.6	39.2	36.2
20.0	9.0	17.5	51.6	49.0	37.2	34.2
25.0	10.1	17.0	50.0	47.3	35.3	32.3
31.3	11.4	16.5	48.4	45.7	33.4	30.4
62.5	16.5	14.0	43.4	40.6	27.3	24.3
100.0	21.3	12.0	39.9	37.1	23.3	20.3
200.0	31.5	9.0	34.8	31.9	17.2	14.2
250.0	35.9	8.0	33.1	30.2	15.3	12.3

Note: Category 6 channel test extreme length 60m.

Other Characteristics

Operating temperature:	Fixed:-40℃ to 80℃
Installation temperature:	-20℃ to 60℃
Rated Voltage:	30V
Min bending radius:	Fixed: 5xOD(Cable diameter)
Flame resistance:	FT2 , IEC 60332-1-2
Oil resistance(IRM902):	90℃,24h (IEC 60227-1)
UV resistance:	UL1581 section1200
This cable meets RoHS requirements	

Packing information

Packaging	500 m / drum
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