

LONGTRONIC® Industrial Cable EtherCAT PUR

SF/UTP 2x2x24AWG/1

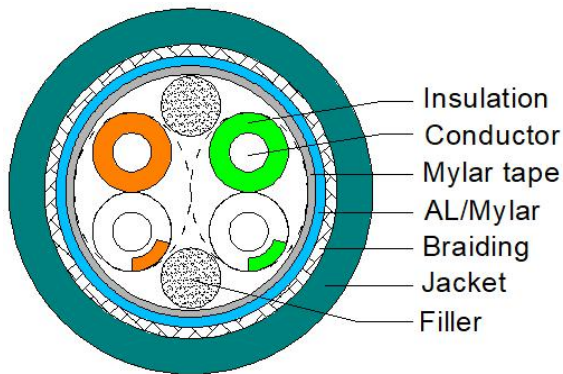
Description

Double screened design supported excellent EMC performance.

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

24AWG/1 BC conductor, HDPE insulation, Filler, Mylar tape, AL/Mylar overall screen, Tinned copper braiding overall screen, PUR jacket.

Design



Conductor	0.500mm solid bare copper wire
Insulation	HDPE OD:1.02±0.05mm Color: P1:White/Orange, Orange P2:White/Green, Green
Filler	Cotton rope
Cabling	Two pairs and filler stranded together to a core with Mylar tape
Overall screen	AL/Mylar tape Tinned copper braiding, coverage ≥85%
Outer jacket	PUR Color : Blue (Similar to RAL5021) Thickness: approx 0.70mm OD:5.6±0.3mm
Marking:	ZHAOLONG □ LONGTRONIC® □ ETHERNET □ EtherCAT □ SF/UTP □ CAT5e □ 2PR □ 24AWG □ PUR □ IEC60332-1 □ XXXXXX □ ****m

Note:

- means blank;
- XXXXXX means batch number;
- ****m means meter

Electrical Characteristics(20℃)

Loop conductor DC resistance:	≤190ohm/km
Insulation resistance:	≥5000MΩ·km
Dielectric Strength:	DC1.5KV for 1min
Transmission performance:	FLUKE permanent link test for 70m (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	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℃
Min. Bending radius	Fixed: 4D(Cable diameter) Occasional movement: 8xOD(Cable diameter)
Flame resistance	IEC 60332-1-2, FT2
Oil resistance:	UL 758 section15; JIS C 3005 type B
UV resistance:	UL1581 section1200
This cable meets RoHS requirements	

Packing information

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

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