

LONGTRONIC® RS485

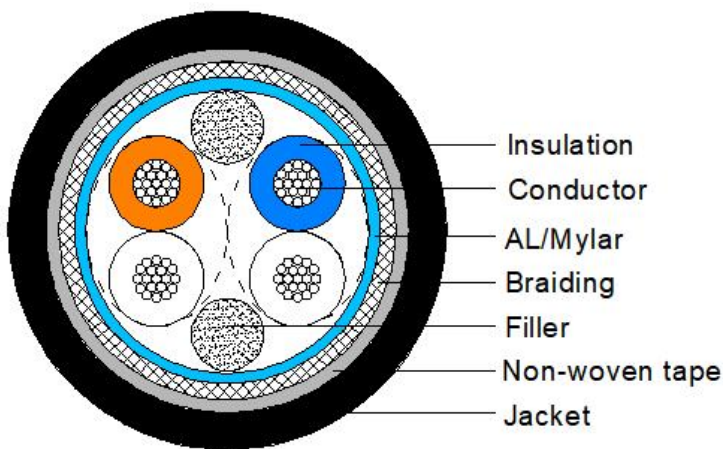
SF/UTP 2X2x0.25mm²/32 PUR

Description

The cable is special designed for BUS system with characteristic impedance of 120ohm. Application for moved installation.

0.25mm²/32 stranded conductor, Foam PE insulation, Filler, AL/Mylar and tinned copper braiding overall screen, Non-woven tape, PUR jacket

Design



Conductor 32*0.10 mm stranded bare copper wire

Insulation Foam PE
Nom. OD:1.30 mm

Color: Pair1: White, Blue Pair2: White, Orange

Filler PP

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

Tape Non-woven tape

Jacket PUR

Color: Black (Similar to RAL9004)

OD: 7.50 ± 0.50 mm

Marking: ZHAOLONG □ LONGTRONIC® □ BUS □ RS485 □ FD □ 2x2x0.25mm² □ PUR □ IEC □ 60332-1-2
□ XXXXXX □ ****m

Note:

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

Electrical Characteristics(20℃)

Conductor DC resistance	$\leq 93.3 \Omega/\text{km}$
Resistance unbalance	$\leq 5.0 \%$ between pairs
Dielectric strength	AC 1.5 KV for 1min
Characteristic impedance	$120 \pm 12 \Omega$ at 1MHz

Other Characteristics

Operating temperature	Fixed: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$ Moving: $-20 \sim +60^{\circ}\text{C}$
Installation temperature	-20°C to 60°C
Min bending radius	Moving: $8 \times \text{OD}$
Halogen free	IEC 60754-1
Oil resistance	IRM 902, $100^{\circ}\text{C} \times 96\text{h}$ (UL 758)
Flame resistance	IEC 60332-1-2
UV resistance	300 h (UL 1581)
Trailing chain test	≥ 5 million cycles Drag chain route: 0.9 m Bending radius: 65 mm Acceleration: 25 m/s^2 Speed: 2.6 m/s

This cable meets RoHS requirements

Packing information

Packaging	500 m / drum
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