

LONGTRONIC® CANBus TP

S/UTP 1x2x0.34mm² PVC

P/N: ZL5104003

Version: A/04

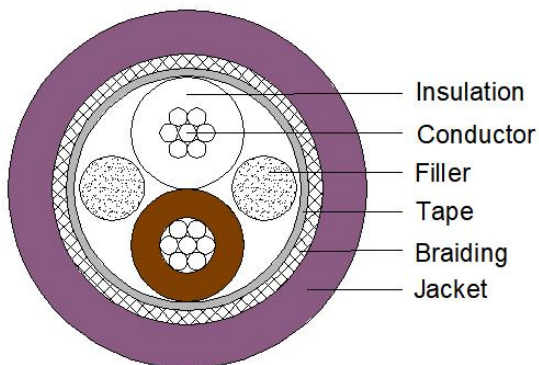
Date: 2022-06-13

Description

This is a cable with 120 Ω characteristic impedance for data transmission of CANBus system. Application for fixed installation.

0.34mm² stranded BC conductor, Foam-PE insulation, Filler, Mylar tape, Tinned copper braiding overall screen, PVC jacket.

Design



Conductor 7*0.254 mm stranded bare copper wire

Insulation Foam-PE

OD: 2.20 ± 0.10 mm

Color: White, Brown

Filler PP yarn

Tape Mylar tape

Overall screen Tinned copper braiding, coverage ≥ 85%

Jacket PVC

Color: Violet (Similar to RAL4001)

Thickness: Approx 1.00 mm

OD: 7.00 ± 0.40 mm

Marking ZHAOLONG □ LONGTRONIC® □ BUS □ CANBUS □ TP □ 2x0.34mm² □ PVC □ IEC □

□ 60332-1-2 □ XXXXXX □ ***m

Note:

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

Electrical characteristics (20℃)

Conductor resistance	$\leq 55.4 \Omega/\text{km}$
Dielectric strength	AC 2.0 kV for 1 min.
Insulation resistance	$\geq 5000 \text{ M}\Omega \cdot \text{km}$
Mutual Capacitance	$\leq 60 \text{ pF/m}$ at 800 Hz or 1000 Hz
Velocity of propagation	Nom. 70 %
Characteristic impedance	$120 \pm 15 \Omega$ at 1.0 MHz
Attenuation	Nom. 0.40 dB/100m at 100 kHz Nom. 1.30 dB/100m at 1 MHz Nom. 3.10 dB/100m at 5 MHz Nom. 4.30 dB/100m at 10 MHz Nom. 6.40 dB/100m at 20 MHz
Transfer impedance	$\leq 250 \text{ m}\Omega/\text{m}$ at 30 MHz

Other characteristics

Operating temperature	Fixed: $-40 \sim +80 \text{ }^{\circ}\text{C}$
Installation temperature	$-20 \sim +60 \text{ }^{\circ}\text{C}$
Min bending radius	Fixed: $5 \times \text{OD}$
Rated voltage	300 V
Oil resistance	IRM 902, $70^{\circ}\text{C} \times 4\text{h}$ (EN 50290-2-22)
Flame resistance	IEC 60332-1-2
Sunlight resistance	300 h (UL1581)
This cable meets RoHS requirements.	

Packing information

Packaging	500 m / drum
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