

LONGTRONIC® CANBus TP

P/N: ZL5104001

Version: A/04

S/UTP 1x2x0.22mm² PVC

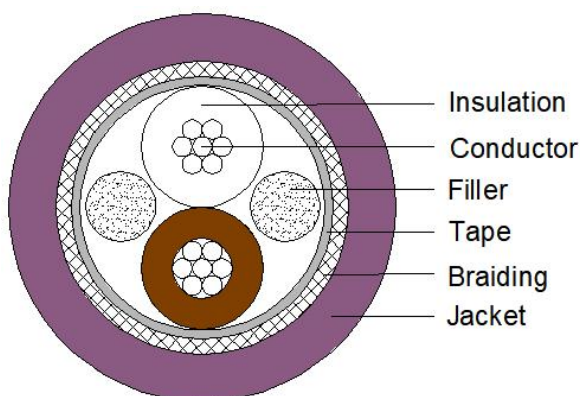
Date: 2022-10-09

Description

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

0.22mm² stranded BC conductor, Foam-PE insulation, Filler, Mylar tape, Tinned copper braiding overall screen, PVC jacket.

Design



Conductor 7*0.20 mm stranded bare copper wire

Insulation Foam-PE
OD: 1.70 ± 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: 5.90 ± 0.40 mm

Marking ZHAOLONG □ LONGTRONIC® □ BUS □ CANBUS □ TP □ 1 × 2 × 0.22mm² □ PVC □ □ □ □
E324007 □  □ AWM □ 2464 □ 80 °C □ 300V □ VW-1 □ □ □ □ XXXXXX □ ****m

Note:

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

Electrical characteristics (20℃)

Conductor resistance	≤ 93.8 Ω/km
Dielectric strength	AC 2.0 kV for 1 min.
Insulation resistance	≥ 5000 MΩ·km
Mutual Capacitance	≤ 60 pF/m at 800 Hz or 1000 Hz
Velocity of propagation	Nom. 70%
Characteristic impedance	120 ± 15 Ω at 1.0 MHz
Attenuation	Nom. 0.60 dB/100m at 100 kHz Nom. 1.70 dB/100m at 1 MHz Nom. 3.90 dB/100m at 5 MHz Nom. 5.60 dB/100m at 10 MHz Nom. 8.10 dB/100m at 20 MHz
Transfer impedance	≤ 250 mΩ/m at 30 MHz

Other characteristics

Operating temperature	Fixed: -40 ~ +80 °C
Installation temperature	-20 ~ +60 °C
Min bending radius	Fixed: 5 × OD
Rated voltage	300 V
Oil resistance	IRM 902, 70℃ × 4h (EN 50290-2-22)
Flame resistance	IEC 60332-1-2 , VW-1
Sunlight resistance	300 h (UL1581)
This cable meets RoHS requirements.	

Packing information

Packaging	500 m / drum
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