

LONGTRONIC® CANBus TP

S/UTP 2x2x0.22mm² PVC

P/N: ZL5104013

Version: A/04

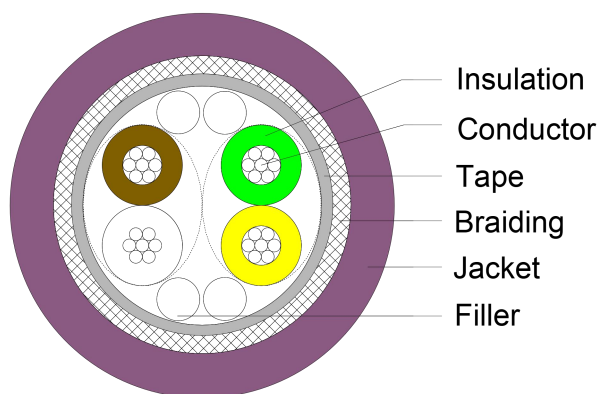
Date: 2022-06-13

Description

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

0.22mm² stranded BC conductor, HDPE insulation, Non-woven tape, Tinned copper braiding overall screen, PVC jacket.

Design



Conductor	7*0.20 mm stranded bare copper wire		
Insulation	HDPE		
	OD: 1.35 ± 0.10 mm		
	Color:	Pair1: White, Brown	Pair2: Yellow, Green
Filler	Cotton rope		
Tape	Non-woven tape		
Overall screen	Tinned copper braiding, coverage ≥ 85 %		
Jacket	PVC		
	Color: Violet (Similar to RAL4001)		
	Thickness: Approx 1.00 mm		
	OD: 7.60 ± 0.40 mm		
Marking	ZHAOLONG□LONGTRONIC®□BUS□CANBUS□TP□2x2x0.22mm ² □PVC□		
	IEC60332-1□XXXXXX□****m		

Note:

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

Electrical characteristics (20℃)

Conductor resistance	$\leq 93 \Omega/\text{km}$
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. 66 %
Characteristic impedance	$120 \pm 15 \Omega$ at 1.0 MHz
Attenuation	Nom. 0.84 dB/100m at 100 kHz Nom. 2.38 dB/100m at 1 MHz Nom. 5.46 dB/100m at 5 MHz Nom. 7.84 dB/100m at 10 MHz Nom. 11.34 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	VW-1
Sunlight resistance	300 h (UL1581)
This cable meets RoHS requirements.	

Packing information

Packaging	500 m / drum
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