

LONGTRONIC® Profibus DP LSZH

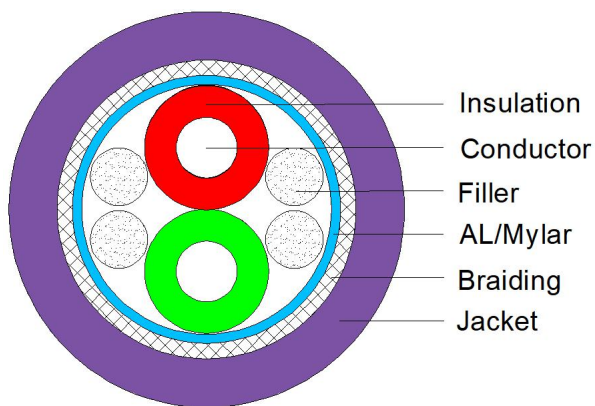
SF/UTP 1x2x22AWG/1

Description

This cable is designed for industrial field bus systems of automation and communication, designed for fixed applications, such as process control and automation.

22AWG BC conductor, PE-Foamed insulation, PP filler, AL/Mylar+Tinned copper braiding overall screen, LSZH jacket.

Design



Conductor	0.650mm solid bare copper wire
Insulation	PE-Foamed OD: 2.55 ± 0.10 mm Color: Red, Green
Filler	PP
Overall screen	AL/Mylar Tinned copper braiding, coverage about 65%
Jacket	LSZH Color :Purple(Similar to RAL4001) Thickness: approx 1.05mm OD: 7.80 ± 0.40 mm
Marking:	ZHAOLONG □ LONGTRONIC® □ BUS □ PROFIBUS-DP □ 1x2x22AWG □ LSZH □ IEC60332-1 □ XXXXXX □ ****m

Note:

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

Electrical Characteristics(20℃)

Mutual Capacitance C-C (nominal):	30pF/m@800Hz
Conductor DC resistance:	≤55ohm/km
Test Voltage:	2000V/1min,no break down
Characteristic impedance:	270±27ohm @ 9.6kHz
	185±18.5ohm @ 38.4kHz
	150±15ohm@ 3-20MHz
Attenuation (dB/km)	≤2.5dB/km @ 9.6kHz
	≤3.8dB/km @ 38.4kHz
	≤11.0dB/km @ 200kHz
	≤22.0dB/km @ 4MHz
	≤42.0dB/km @ 16MHz
Nominal Velocity of propagation:	78%
Insulation DC resistance:	≥1GΩ.km

Other Characteristics

Operating temperature:	-40℃ to 80℃
Installation temperature:	-20℃ to 60℃
Min bending radius:	Fixed: 8D (Cable diameter)
Halogen free:	IEC 60754-1, IEC 60754-2
Flame resistance:	IEC 60332-1-2, IEC 60332-3-24
UV resistance:	UL1581(300H)
This cable meets RoHS requirements	

Packing information

Packaging:	100m / reel;
	500m / Wooden plate;

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