

# Technical data sheet · LÜTZE ELECTRONIC BUS (C) Profibus

## Bus cables for Profibus



<b>Identification</b>	Type	(1×2×AWG22/1)StC FC
	Part-No.	104251
<b>Use/Area of application</b>		
Application	<ul style="list-style-type: none"> <li>• For the cabling of industrial field bus systems like PROFIBUS DP, SINEC L2, F.I.P.</li> <li>• With solid conductor AWG22/1 for hard wiring</li> </ul>	
Properties	<ul style="list-style-type: none"> <li>• High active and passive interference resistance</li> <li>• Free from paint wetting disruptive substances (LABS-free), RoHS-compliant</li> </ul>	
<b>Technical data</b>		
Impedance	150 Ω ± 15 %	
Loop resistance	Wire AWG 22/1= 0.34 <sup>2</sup>	<110 Ω/km
Operating capacitance	<30 pF/m	
Voltage	Signal	250 V
Test voltage	Signal	1500 V
Temperature range	fixed	-30 °C to +80 °C
Minimum bending radius	moving	D × 12
	fixed	D × 6
Fire performance	Flame-retardant according to VDE 0482 T. 265-2-1; IEC 60332-1	
Number of strands/cross-section	(1×2×0.64/AWG22/1)StC FC	
Outer-Ø	7.8 approx. mm	
Weight	7.8 kg/100 m	

12.12.2012 – Subject to technical modification

Part-No. 104251

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Cu-Index 3.0 kg/100 m

## Design

Strand colours	red, green
Conductor structure	Bare copper wire
Cable structure	Solid wire according to DIN Wire AWG22/1 $0.34^2 = 0.64 \text{ mm } \varnothing$
Conductor insulation	Conductor insulation special polyolefin
Stranding	Stranding with filler
Static shield	ST static shield
Overall shield	Meshwork from tinned copper wire braid, optical covering $\geq 70 \%$
Outer jacket	PUR for industrial environment, halogen-free
Jacket colour	violet RAL 4001

## General

Note CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC

## Logo



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