

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



Bus cables for Profibus

<b>Identification</b>	Type	(1×2×0,64/AWG22/7+3×0,75)StC UR
	Part-No.	104274

## Use/Area of application

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 or with stranded conductor for moving use without compulsory guide in the automation technology, transport and conveyor technology, machine tool manufacture</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>

## Technical data

Impedance	150 Ω ± 15 %	
Loop resistance	Braid AWG 22/7= 0.34 <sup>2</sup>	<110 Ω/km
Operating capacitance	< 30 pF/m	
Voltage	Signal	250 V
	Supply	300 V
Test voltage	Signal	1500 V
	Supply	3000 V
Temperature range	moving	-5 °C to +70 °C
	fixed	-30 °C to +80 °C
Minimum bending radius	moving	D × 12
	fixed	D × 6

22.06.2010 – Subject to technical modification

Part-No. 104274

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Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; IEC 60332-1; UL 1581 section VW-1 Flame-Test; CSA FT 1
Number of strands/cross-section	(1×2×0,64/AWG22/7+3×0,75)StC <b>UR</b>
Outer-∅	11.4 approx. mm
Weight	14.4 kg/100 m
Cu-Index	6.5 kg/100 m

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## Design

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Strand colours	red, green blue, black greenyellow
Conductor structure	Bare copper wire
Cable structure	Braid according to AWG or DIN, solid wire according to DIN Braid AWG24/19 0,24 <sup>2</sup> = 0,64 mm ∅
Conductor insulation	Conductor insulation special polyolefin
Ground conductor	green/yellow according to DIN EN 50334
Stranding	Stranding with filler
Static shield	ST static shield
Overall shield	Galvanised copper wire braid, optical coverage ≥ 85 %
Jacket colour	violet RAL 4001

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## General

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



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