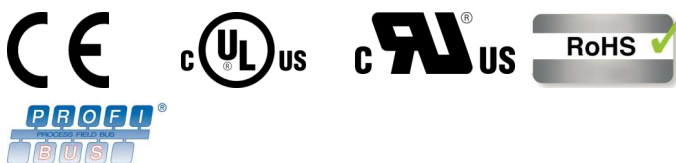


Technical data sheet

PVC Bus cables · Profibus · shielded

LÜTZE ELECTRONIC Profibus (C) PVC



Identification

Type EL PROFIBUS (C) PVC (1×2×AWG24/7) CMG
Part No. [104344](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- For wiring of industrial field bus systems like PROFIBUS DP, F.I.P.
 - With solid conductor AWG22/1 for hard wiring or with 7-wire stranded conductor for moving use without compulsory guide in the automation technology, transport and conveyor technology, machine tool manufacture
 - Compliant with NFPA 79 requirements
- Properties
- High protection against electromagnetic interferences (EMI)
 - Talc free and silicone free

Construction

Description	ELECTRONIC Profibus (C) PVC
Number of conductors/cross-section	(1×2×AWG24/7)
Number of conductors	2
Cross-section AWG	AWG 24
Jacket material	Special PVC
Jacket color	violet similar to RAL 4001
Outer Ø	8 mm
Outer Ø	0.315 inch
Weight	7.2 kg/100 m
Weight	44 Lbs/Mft
Cu-Index	3 kg/100 m
Cu-Index	17 Lbs/Mft

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Construction Element 1

Element construction	(1×2×AWG24/7)
Conductor	AWG conductor CU-wire bare
Conductor marking standard	EN 61158, EN 61784
Conductor insulation	Special Polyolefin

Overall construction

Overall stranding	Stranded pairs
Overall shield	Foil shield Braid Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Silicone free

Technical data

Rated voltage	250 V
Rated voltage UL	600
Test voltage type	AC 1500 V
Temperature according to UL	75 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	7.5×D

Technical Data Element 1

Element construction	(1×2×AWG24/7)
Insulation resistance at 20 °C	≥5000 MΩ×km
Operating capacitance wire-wire	approx.30 pF/m
Loop resistance	≤165 mΩ/m
Impedance	nom.150 Ω

Certifications/Standards

Certifications	cULus CL 3 CMG cURus Meets NEC 392, 800
UL style	AWM 21694
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-3-24 CMG: FT4 UL 1685

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General

Note

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU