

Technical data sheet

PVC Bus cables · Profibus · shielded

LÜTZE ELECTRONIC Profibus (C) PVC



Identification

Type EL PROFIBUS (C) FRNC (1×2×AWG22/1)
Part No. [104267](#)

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

Properties

- High protection against electromagnetic interferences (EMI)
- Silicone free

Construction

Description ELECTRONIC Profibus (C) FRNC
Number of conductors/cross-section (1×2×AWG22/1)StC
Number of conductors 2
Cross-section AWG AWG 22
Jacket material FRNC
Jacket color violet similar to RAL 4001
Outer Ø 8 mm
Weight 7.6 kg/100 m
Cu-Index 3 kg/100 m
Mounting Fast Connect

Construction Element 1

Element construction (1×2×AWG22/1)
Conductor AWG conductor
CU-wire bare

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

Technical data sheet

PVC Bus cables · Profibus · shielded

Conductor marking standard	EN 61158, EN 61784
Conductor insulation	Special Polyolefin

Overall construction

Overall stranding	Stranded pairs
Overall wrapping	Transparent plastic film
Inner jacket	FRNC
Overall shield	Foil shield Braid shield Tinned copper wires Optical cover approx. 70 %
Jacket characteristics	Flame-retardant Silicone free Halogen free

Technical data

Rated voltage	250 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-10 °C ... +70 °C
Temperature range fixed	-30 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	8×D

Technical Data Element 1

Element construction	(1×2×AWG22/1)
Operating capacitance wire-wire	approx.30 pF/m
Loop resistance	≤110 mΩ/m
Impedance	nom.150 Ω

Certifications/Standards

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2

General

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