Technical data sheet · LÜTZE ELECTRONIC Profibus (C) PVC

PVC Bus cables · Profibus

Identification	Type	EL BUS(C)PVC FC (1×2×AWG22/1)UL/ CMG 75°C
	Part-No.	104293

Use/Application/Characteristics	
Application	• For the cabling of industrial field bus systems like PROFIBUS DP, SINEC L2, F.I.P. • With solid conductor AWG22/1 for hard wiring
Characteristics	• High active and passive interference resistance (EMC) • Silicone free • RoHS-compliant

Construction	
Description	ELECTRONIC Profibus (C) PVC
Number of conductors/cross-section	(1×2×AWG22/1)
Jacket material	Special PVC
Jacket color	violet RAL 4001
Outer ∅	7.8 mm
Outer ∅	0.307 inches
Weight	7.4 kg/100 m
Weight	50 Lbs/Mft
Cu-Index	3 kg/100 m
Cu-Index	20 Lbs/Mft

Element 1

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY

Technical data sheet · LÜTZE ELECTRONIC Profibus (C) PVC

Element construction	(1×2×AWG22/1)
Conductor	AWG conductor CU-wire bare
Conductor marking	red green
Conductor insulation	Special Polyolefin

overall construction

Inner jacket	PVC
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires optical cover approx. 60%
Jacket characteristics	Flame-retardant Silicone-free

Technical data

Rated voltage UL	600 V
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

Element 1

Element construction	(1×2×AWG22/1)
Insulation resistance at 20°C	5000 MΩ×km
Operating capacitance Ader-Ader	30 pF/m
Loop resistance	110 mΩ/m
Impedance	150 Ω

Approvals/Standards

Approvals	CMG cULus CL 3 cURus
UL style	AWM 20201
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 CMG: FT4 UL 1685

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY

Technical data sheet · LÜTZE ELECTRONIC Profibus (C) PVC

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

Symbols

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.
Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

SYSTEMATIC TECHNOLOGY