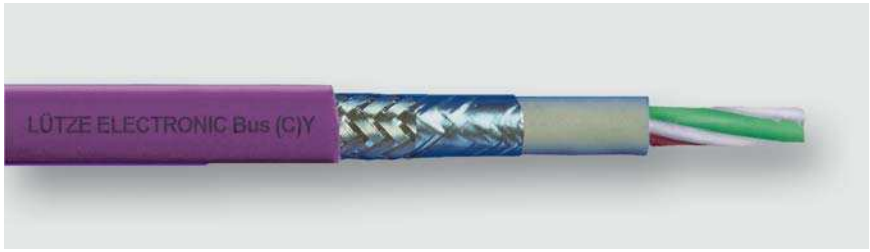
Technical data sheet · LÜTZE ELECTRONIC Profibus (C) PVC



PVC Bus cables · Profibus

Identification	Type	EL BUS(C)PVC(1×2×AWG22/1)UL/CMX 75°C
	Part-No.	104378

Use/Application/Characteristics	
Application	• For the cabling of industrial field bus systems like PROFIBUS DP, F.I.P. • With solid conductor AWG22/1 for hard wiring or continuous flexing in the automation technology, transport and conveyor technology, machine tool manufacture
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 ∅	8 mm
Outer ∅	0.315 inches
Weight	5.8 kg/100 m
Weight	40 Lbs/Mft
Cu-Index	3 kg/100 m
Cu-Index	20 Lbs/Mft

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SYSTEMATIC TECHNOLOGY

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Element 1	
Element construction	(1×2×AWG22/1)
Conductor	AWG conductor CU-wire bare
Conductor marking	red green
Conductor insulation	Special Polyolefin
overall construction	
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires optical cover approx. 75%
Jacket characteristics	Flame-retardant Silicone-free

Technical data	
Rated voltage UL	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °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	CMX cULus cURus
UL style	AWM 20601
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-3-24 CMX: FT1 UL 1581 UL VW-1

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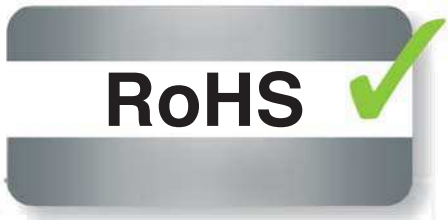
General	
Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



28.04.2017 – Subject to technical modification

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