

Technical data sheet · LÜTZE SUPERFLEX[®] DeviceNet[™](C) PUR

For highest requirements



PUR Bus cables · DeviceNet[™] ·
C-track compatible

Identification	Type	SU BUS (C) PUR ((2×AWG18)+(2×AWG16))
	Part-No.	104289

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • For the wiring of industrial devices, sensors, control devices (SPS), valves • DeviceNet[™] is the leading BUS system for industry automation in the USA • For continuous flexible use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture
Characteristics	<ul style="list-style-type: none"> • 2-pair cable: The pair with the smaller cross section serves for the data transmission, the pair with the larger cross section is for the power supply • High active and passive interference resistance through double shielding (StC) • Free from silicon paint wetting disruptive substances (LABS-free), RoHS-compliant

Construction

Description	SUPERFLEX DeviceNet (C) PUR
Number of conductors/cross-section	((2×AWG24)+(2×AWG22))
Jacket material	PUR
Jacket color	violet RAL 4001
Outer Ø	7 mm
Outer Ø	0.276 inches
Surface	adhesion-free matt

28.04.2017 – Subject to technical modification

Part-No. 104289

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SYSTEMATIC TECHNOLOGY

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Weight	6.2 kg/100 m
Weight	13.7 Lbs/Mft
Cu-Index	3.6 kg/100 m
Cu-Index	7.9 Lbs/Mft

Element 1

Element construction	(2×AWG24)
Conductor	CU-wire tin-plated
Conductor marking	white blue
Conductor insulation	foamed polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Aluminium laminate Foil shield

Element 2

Element construction	(2×AWG22)
Conductor	CU-wire tin-plated
Conductor marking	red black
Conductor insulation	Polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Aluminium laminate Foil shield

overall construction

Overall stranding	Elements stranded together
Overall wrapping	Non-woven material
Drain wire	CU-wire tin-plated
Overall shield	Braid shield Tinned copper wires optical cover approx. 80%
Jacket characteristics	Flame-retardant Oil resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature range moving	-20 °C ... +75 °C
Temperature range fixed	-40 °C ... +75 °C

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Minimum bending radius moving 15×D
Minimum bending radius fixed 5×D

Element 1

Element construction (2×AWG24)
Operating capacitance Ader-Ader 40 pF/m
Impedance 120 Ω

Element 2

Element construction (2×AWG22)

Approvals/Standards

Approvals	cULus CMX
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2 DIN EN 60332-1-2 UL 1581 Part VW-1 Flame Test UL FT1
Oil resistant according to	DIN EN 60811-404
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

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

Symbols



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