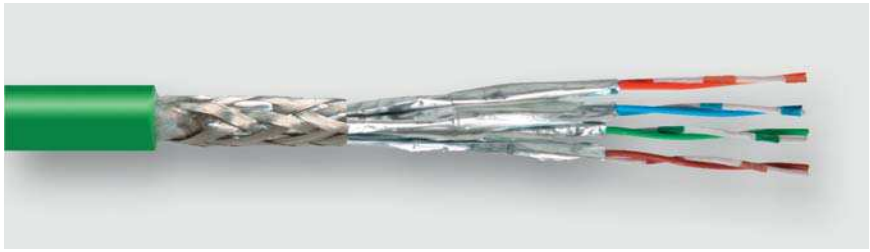
Technical data sheet · LÜTZE ELECTRONIC ETHERNET (C) PVC



PVC Bus cables · ETHERNET

Identification	Type	EL BUS(C)PVC ET(4×2×AWG24/7)StC Cat.5e
	Part-No.	104336

Use/Application/Characteristics	
Application	• For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol • For fixed installation or mobile use without continuous flexing in automation technology, transport, conveyor technology and machine tools
Characteristics	• High active and passive interference resistance (EMC) • Silicone free • RoHS-compliant

Construction	
Description	ELECTRONIC Ethernet (C) PVC
Number of conductors/cross-section	(4×2×AWG24/7)StC
Jacket material	PVC
Jacket color	green RAL 6018
Outer ∅	7.3 mm
Outer ∅	0.287 inches
Surface	adhesion-free matt
Weight	6.9 kg/100 m
Weight	44.9 Lbs/Mft
Cu-Index	3.8 kg/100 m

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Cu-Index	37 Lbs/Mft

Element 1

Element construction	(4×2×AWG24/7)
Conductor	AWG conductor CU-wire bare
Conductor marking	white/blue blue white/orange orange white/green green white/brown brown
Conductor insulation	Special Polyolefin
Stranding	Conductors stranded in pairs

overall construction

Overall stranding	stranded layers
Overall wrapping	Non-woven material
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Silicone-free Flame-retardant

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature range moving	-5 °C … +70 °C
Temperature range fixed	-30 °C … +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D

Element 1

Element construction	(4×2×AWG24/7)
Operating capacitance Ader-Ader	48 pF/m
Loop resistance	165 mΩ/m
Impedance	100 Ω

Approvals/Standards

Approvals	CMG cULus

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Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part VW-1 Flame Test UL FT4

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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