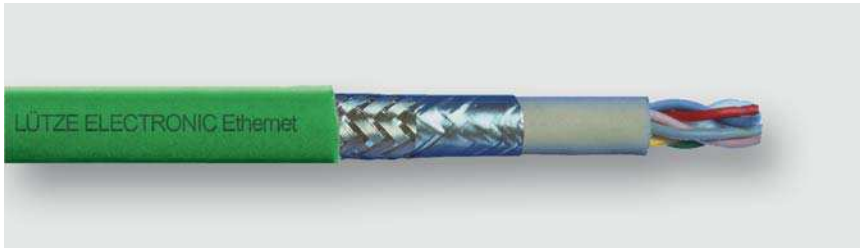


# Technical data sheet · LÜTZE ELECTRONIC ETHERNET (C) PVC

PVC Bus cables · ETHERNET



<b>Identification</b>	Type	EL BUS(C)PVC ET(4×(2×AWG22/1)St)C Cat.6A
	Part-No.	104397

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol</li><li>• For fixed installation or mobile use without continuous flexing in automation technology, transport, conveyor technology and machine tools</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• High active and passive interference resistance (EMC)</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>

## Construction

Description	ELECTRONIC Ethernet (C) PVC
Number of conductors/cross-section	(4×(2×AWG22/1)St)C
Jacket material	PVC
Jacket color	green RAL 6018
Outer Ø	9.6 mm
Outer Ø	0.378 inches
Surface	adhesion-free matt
Weight	9.6 kg/100 m
Weight	65 Lbs/Mft
Cu-Index	5.3 kg/100 m

28.04.2017 – Subject to technical modification

Part-No. 104397

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

# Technical data sheet · LÜTZE ELECTRONIC ETHERNET (C) PVC

---

## Element 1

Element construction	(4×(2×AWG22/1))
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
Element shielding	Aluminium laminate Foil shield

## overall construction

Overall stranding	stranded layers
Inner jacket	PVC
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×AWG22/1))
Operating capacitance Ader-Ader	48 pF/m
Loop resistance	110 mΩ/m
Impedance	100 Ω

---

## Approvals/Standards

---

28.04.2017 – Subject to technical modification

Part-No. 104397

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 ETHERNET (C) PVC

---

Approvals	PLTC CMG cULus cURus
UL style	AWM 2570
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

Part-No. 104397

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