Technical data sheet · LÜTZE SUPERFLEX®ETHERNET (C) PUR
For highest requirements



PUR Network cables · ETHERNET · C-track compatible

Identification	Type	SU ET (C) PUR (4×(2×AWG24/7)St)C Cat7
	Part-No.	104404

Use/Application/Characteristics	
Application	• For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol • For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture
Characteristics	• High active and passive interference resistance (EMC) • Silicone free • Halogen free • RoHS-compliant • Torsion-resistant

Construction	
Description	SUPERFLEX® ETHERNET (C) PUR
Number of conductors/cross-section	(4×(2×AWG24/7)St)C
Cross-section AWG	AWG 24
Cross-section, metric	0.25 mm²
Jacket material	PUR
Jacket color	green RAL 6018
Outer ∅	9.4 mm

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SYSTEMATIC TECHNOLOGY

Surface	adhesion-free matt
Weight	9.6 kg/100 m
Cu-Index	4.4 kg/100 m

Element 1

Element construction	(4×(2×AWG24/7)St)C
Conductor construction	AWG 24/7
Conductor	CU-wire tin-plated AWG conductor
Conductor marking	white blue white orange white green white brown
Conductor insulation	Special Polyolefin
Element shielding	Foil shield in pairs

overall construction

Overall stranding	stranding with cross element metallized fleece
Overall wrapping	Fleece taping
Overall shield	braid shield tinned copper wires optical cover approx. 85%
Jacket characteristics	Flame-retardant Oil resistant abrasion resistant grease-resistant alkali-resistant lubricant-resistant Silicone-free

Technical data

Rated voltage	300 V V
Test voltage type	AC 3000 V
Temperature according to UL	75 °C
Temperature range moving	-30 °C … +70 °C
Temperature range fixed	-40 °C … +80 °C

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Minimum bending radius moving	15×D
Minimum bending radius fixed	8×D
Category	Cat.7
Ethernet Key	S/FTP
Bending cycles	≥1 Mio
Travel distance	≤4.5 m
Speed	3 m/s
Acceleration	3 m/s²
Torsion	± 180°

Element 1	
Element construction	(4×(2×AWG24/7)St)C
Insulation resistance at 20 °C	500 MΩ×km
Loop resistance	175.2 mΩ/m
Impedance	100 Ω

Certifications/Standards	
Certifications	CMX
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2 UL 1581 Part 1080 VW-1
Oil resistant according to	DIN EN 60811-404 DIN EN 50363-10-2
Halogen free according to	VDE 0472-815 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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