

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)StC Cat6A
	Part-No.	104401

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)StC
Jacket material	PUR
Jacket color	green RAL 6018
Outer Ø	8.9 mm
Surface	adhesion-free matt
Weight	8.8 kg/100 m

08.08.2019 – Subject to technical modification

Part-No. 104401

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SYSTEMATIC TECHNOLOGY

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Cu-Index 4 kg/100 m

Element 1

Element construction	(4×2×AWG24/7)
Conductor construction	AWG 24/7
Conductor	CU-wire bare AWG conductor
Conductor marking	white/blue blue white/orange orange white/green green white/brown brown
Conductor insulation	Special Polyolefin

overall construction

Overall stranding	stranding with cross element
Overall wrapping	Fleece taping
Inner jacket	FRNC
Overall shield	Foil shield Braid shield Tinned copper wires optical cover approx. 90%
Jacket characteristics	Flame-retardant Oil resistant abrasion resistant grease-resistant alkali-resistant lubricant-resistant Silicone-free

Technical data

Rated voltage	300 V
Test voltage type	AC 2000 V
Temperature range moving	-30 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	4×D
Category	Cat.6A
Ethernet Key	SF/UTP
Bending cycles	≥1 Mio

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Travel distance	≤10 m
Speed	5 m/s
Acceleration	10 m/s ²
Torsion	± 180°

Element 1

Element construction	(4×2×AWG24/7)
Insulation resistance at 20 °C	500 MΩ×km
Impedance	100 Ω

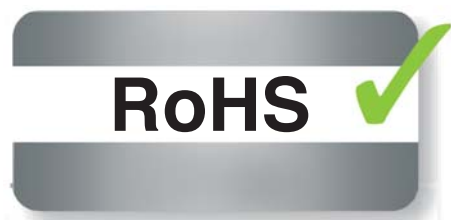
Approvals/Standards

Approvals	cURus
UL style	AWM 21198
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1-2 Horizontal Flame Test UL FT2
Oil resistant according to	DIN EN 60811-404 DIN EN 50363-10-2
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
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Symbols



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