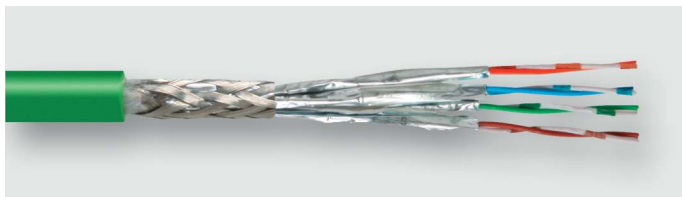


Technical data sheet

PVC Network cables · ETHERNET · shielded

LÜTZE ELECTRONIC ETHERNET (C) PVC

Cat. 6A



Identification

Type EL ET (C) PVC (4×(2×AWG26/7)St)C Cat6A
Part No. [104338](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• For wiring of industrial field bus systems with the globally accepted TCP/IP protocol• For fixed installation or moving use without compulsory guide in the automation technology, transport and conveyor technology, machine tool manufacture• Cable design for harsh industrial environments and operating conditions with high noise levels• Application in automation technology, transport and conveyor technology, machine tool manufacture• Compliant with NFPA 79 requirements |
| Properties | <ul style="list-style-type: none">• High protection against electromagnetic interferences (EMI)• Talc free and silicone free• Flame retardant |

Construction

Ethernet Key	S/FTP
Description	ELECTRONIC ETHERNET (C) PVC
Number of conductors/cross-section	(4×(2×AWG26/7)St)C
Number of conductors	8
Cross-section, metric	0.14 mm ²
Cross-section AWG	AWG 26
Jacket material	PVC
Jacket color	green similar to RAL 6018
Outer Ø	6.4 mm

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Outer Ø	0.252 inch
Surface	adhesion-free
Weight	5.8 kg/100 m
Weight	36 Lbs/Mft
Cu-Index	3.3 kg/100 m
Cu-Index	22 Lbs/Mft

Construction Element 1

Element construction	(4×(2×AWG26/7))
Conductor construction	AWG 26/7
Conductor	AWG conductor CU-wire bare
Conductor marking standard	ISO IEC 11801
Conductor insulation	Special Polyolefin
Element shielding	Aluminium laminate Foil shield

Overall construction

Overall stranding	Stranded pairs
Overall wrapping	Non-woven material
Overall shield	Foil 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 according to UL	75 °C
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
Category	Cat.6 _A

Technical Data Element 1

Element construction	(4×(2×AWG26/7))
Operating capacitance wire-wire	approx.48 pF/m
Loop resistance	≤273 mΩ/m
Impedance	nom.100 Ω

Technical data sheet

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Certifications/Standards

Certifications	CMG cULus
Conformity	CE RoHS REACH TSCA
Burning behavior according to	DIN EN 60332-1-2 DIN EN 60332-3-24 UL 1685 UL FT4

General

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