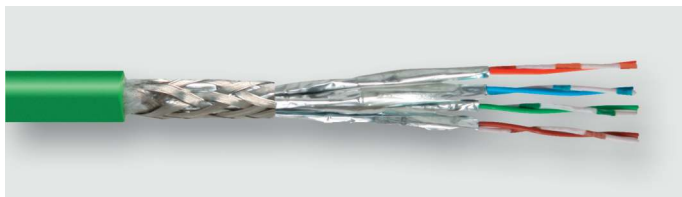


Technical data sheet

PVC Network cables · ETHERNET · shielded

LÜTZE ELECTRONIC ETHERNET (C) PVC

Cat. 5e



CC-Link IE Field

Identification

Type EL ET (C) PVC (4×2×AWG24/7)StC Cat5e
Part No. [104336](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- 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
- High protection against electromagnetic interferences (EMI)
 - Talc free and silicone free
 - Flame retardant

Construction

Ethernet Key SF/UTP
Description ELECTRONIC ETHERNET (C) PVC
Number of conductors/cross-section (4×2×AWG24/7)StC
Number of conductors 8
Cross-section, metric 0.25 mm²
Cross-section AWG AWG 24
Jacket material PVC
Jacket color green similar to RAL 6018
Outer Ø 7.3 mm

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Outer Ø	0.287 inch
Surface	adhesion-free
Weight	6.9 kg/100 m
Weight	46 Lbs/Mft
Cu-Index	3.8 kg/100 m
Cu-Index	26 Lbs/Mft

Construction Element 1

Element construction	(4×2×AWG24/7)
Conductor construction	AWG 24/7
Conductor	AWG conductor CU-wire bare
Conductor marking standard	ISO IEC 11801
Conductor insulation	Special Polyolefin

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.5e

Technical Data Element 1

Element construction	(4×2×AWG24/7)
Operating capacitance wire-wire	approx.48 pF/m
Loop resistance	≤165 mΩ/m
Impedance	nom.100 Ω

Certifications/Standards

Certifications	CMG cULus
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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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