

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 mm ²
Cross-section AWG	AWG 24
Jacket material	PVC
Jacket color	green similar to RAL 6018
Outer Ø	7.3 mm
Outer Ø	0.287 inch
Surface	adhesion-free
Weight	6.9 kg/100 m
Weight	46 Lbs/Mft

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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×cable OD
Minimum bending radius fixed	6×cable OD
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

Approvals/Standards

Approvals	CMG cULus
Conformity	CE RoHS REACH TSCA

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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