

Technical data sheet

PVC Network cables · ETHERNET · shielded

LÜTZE ELECTRONIC ETHERNET (C) PVC



Identification

Type EL ET (C) PVC (4×2×AWG22/7)StC Cat5e
Part No. [104349](#)

Product version

Datasheet version 06

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
 - RoHS compliant
 - Specially formulated jacket for oil resistance

Construction

Ethernet Key	SF/UTP
Description	ELECTRONIC ETHERNET (C) PVC
Number of conductors/cross-section	(4×2×AWG22/7)
Number of conductors	8
Cross-section AWG	AWG 22
Jacket material	PVC
Jacket color	teal similar to RAL 5018
Outer Ø	8.6 mm
Outer Ø	0.338 inch
Surface	adhesion-free
Weight	9.2 kg/100 m
Weight	62 Lbs/Mft
Cu Index	4.8 kg/100 m

USA: LÜTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222
www.lutze.com • info@lutze.com

28.11.2024 • Subject to technical modification

Part No. [104349](#) • Datasheet version: 06

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

PVC Network cables · ETHERNET · shielded

Cu Index 32 Lbs/Mft

Construction Element 1

Element construction	(4×2×AWG22/7)
Conductor construction	AWG 22/7
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	white/blue · blue · white/orange · orange · white/green · green · white/brown · brown
Conductor insulation	Special Polyolefin
Cabling	Conductors twisted in pairs

Overall construction

Overall shield	Aluminium-laminated film shield Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Oil resistant Silicone free

Technical data

Rated voltage	300 V
Rated voltage U_N	600 V AWM 2570
Test voltage type	AC 1500 V
Temperature according to UL	80 °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×AWG22/7)
Insulation resistance at 20 °C	≥5000 MΩ×km
Operating capacitance wire-wire	approx.50 pF/m
Loop resistance	≤114.8 mΩ/m
Impedance	nom.100 Ω

Technical data sheet

PVC Network cables · ETHERNET · shielded

Approvals/Standards

Approvals	cULus CMG CMX Outdoor PLTC cURus Class I and II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505
UL style	AWM 2570
Conformity	CE RoHS REACH TSCA
Burning behavior according to	DIN EN 60332-1-2 DIN EN 60332-3-24 UL 1685 UL FT4
Oil resistant according to	Oil Res I

General

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