

Technical data sheet · LÜTZE ELECTRONIC ETHERNET (C) PVC

PVC Network cables · ETHERNET · shielded



Identification	Type	EL ET (C) PVC (2×2×AWG22/7)StC Cat5e
	Part-No.	104197

Use/Application/Characteristics

Application	• For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol • For fixed installation or moving use without continuous flexing in automation technology, transport, conveyor technology and machine tools
Characteristics	• High active and passive interference resistance (EMC) • Silicone free • RoHS-compliant

Construction

Description	ELECTRONIC ETHERNET (C) PVC
Number of conductors/cross-section	(2×2×AWG22/7)
Jacket material	PVC
Jacket color	blue RAL 5021
Outer Ø	7.5 mm
Outer Ø	0.295 inch
Surface	matt adhesion-free
Weight	6.4 kg/100 m
Weight	43 Lbs/Mft
Cu-Index	2.97 kg/100 m

10.09.2019 – Subject to technical modification

Part-No. 104197

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Cu-Index	20 Lbs/Mft
Element 1	
Element construction	(2×2×AWG22/7)
Conductor construction	AWG 22/7
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	white/green green white/orange orange
Conductor insulation	Special Polyolefin
Stranding	conductors stranded 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 AWM2570 300 V PLTC
Test voltage type	1000 V
Temperature according to UL	80 °C
Temperature range moving	-25 °C ... +70 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Ethernet Key	SF/UTP

Element 1

Element construction	(2×2×AWG22/7)
Insulation resistance at 20 °C	5000 MΩ×km
Operating capacitance wire-wire	50 pF/m
Loop resistance	114.8 mΩ/m
Impedance	100 Ω

Approvals/Standards

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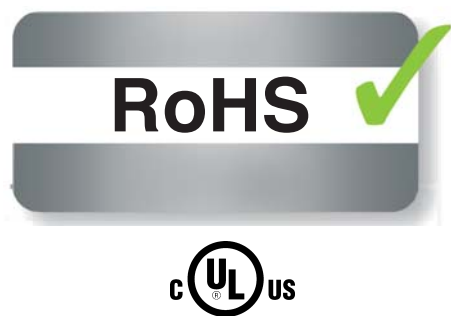
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Approvals	cULus CMR CMX Outdoor PLTC cURus Class I & II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505
UL style	AWM 2570
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-1-2 DIN EN 60332-3-24 UL 1685 UL FT4
Oil resistant according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

General

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

Symbols



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