

Technical data sheet

LUTZE ETHERNET Light Industrial Duty PVC

Ethernet cable for Stationary Applications



Identification

Type	ET LD PVC Cat.6 U/UTP 4×2×AWG23
Part No.	A1040001

Product version

Datasheet version	00
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Use/Application/Properties

Application	• For the cabling of industrial Ethernet systems • Cable design for industrial environments and operating conditions with low electrical noise level • For interconnection of automated equipment inside the factory environment • Compliant with NFPA 79 requirements
Properties	• Design and approvals for machine and field level • Oil resistance • Sunlight resistant • Talc free and silicone free

Construction

Ethernet Key	U/UTP
Description	LUTZE ETHERNET Light Industrial Duty PVC
Number of conductors/cross-section	4×2×AWG23/1
Number of conductors	8
Cross-section AWG	AWG 23
Jacket material	PVC
Jacket color	teal similar to RAL 5018
Outer Ø	6.7 mm
Outer Ø	0.264 inch
Weight	4.46 kg/100 m
Weight	30 Lbs/Mft
Cu-Index	1.93 kg/100 m

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29.05.2026 • Subject to technical modification

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Cu-Index 13 Lbs/Mft

Construction Element 1

Element construction	4×2×AWG23
Conductor	AWG conductor CU-wire bare
Conductor marking	white/blue • blue • white/orange • orange • white/green • green • white/brown • brown
Conductor insulation	HDPE
Stranding	Conductors stranded in pairs

Overall construction

Overall stranding	Twisted pairs with cross element
Jacket characteristics	Flame-retardant Oil resistant Abrasion resistant UV resistant (normal lighting conditions) Silicone free

Technical data

Rated voltage U_N	300 V UL 600 V UL AWM
Test voltage type	AC 2000 V
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius fixed	7.5×D
Category	Cat.6

Technical Data Element 1

Element construction	4×2×AWG23
Insulation resistance at 20 °C	≥9.38 MΩ×km
Operating capacitance wire-wire	approx.56 pF/m
Impedance	nom.100 Ω

Certifications/Standards

Certifications	CMR CMX Outdoor -40°C cold bend, cold impact Meets NEC 392, 800 SUN RES
UL style	AWM 21695
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL 1666
Oil resistant according to	UL 1581

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General

Note

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