

Technical data sheet

LUTZE ETHERNET Light Industrial Duty PVC

Ethernet cable for Stationary Applications



Identification

Type	ET LD (C) PVC Cat.6a F/UTP (4×2×AWG23)
Part No.	A1040005

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	F/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	8 mm
Outer Ø	0.315 inch
Weight	5.6 kg/100 m
Weight	43 Lbs/Mft
Cu-Index	1.93 kg/100 m

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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	stranding with cross element
Overall shield	Foil shield optical cover approx. 100 %
Jacket characteristics	Flame-retardant Oil resistant abrasion resistant UV resistant (normal lighting conditions) Silicone-free

Technical data

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

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

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Oil resistant according to UL 1581

General

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