

Technical data sheet

LUTZE ETHERNET Light Industrial Duty PVC

Ethernet cable for Stationary Applications



Identification

Type ET LD (C) PVC Cat.6 F/UTP (4×2×AWG22)St
Part No. [A1040006](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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×AWG22)
Number of conductors	8
Cross-section AWG	AWG 22
Jacket material	PVC
Jacket color	teal similar to RAL 5018
Outer Ø	9.34 mm
Outer Ø	0.368 inch
Weight	8.2 kg/100 m
Weight	55 Lbs/Mft
Cu Index	2.38 kg/100 m
Cu Index	16 Lbs/Mft

Construction Element 1

Element construction (4×2×AWG22)

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Conductor construction	AWG 22
Conductor	AWG conductor CU-wire bare
Conductor marking	white/blue • blue • white/orange • orange • white/green • green • white/brown • brown
Conductor insulation	HDPE
Cabling	Conductors twisted in pairs
Wrapping	Polyester film

Overall construction

Overall stranding	Stranded pairs Stranding with cross element
Overall shield	Aluminium-laminated film shield
Jacket characteristics	Oil resistant Silicone free Flame-retardant

Technical data

Rated voltage U_N	600 V UL AWM
Test voltage type	AC 2000 V
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius fixed	7.5×cable OD
Category	Cat 6
Transmission performance according to	ANSI/TIA-568.D-2 Cat. 6

Technical Data Element 1

Element construction	(4×2×AWG22)
Direct current resistance	max.93 Ω/km
Operating capacitance wire-wire	approx.56 pF/m

Approvals/Standards

Approvals	CMR CMX Outdoor Meets NEC 392, 800 SUN RES -40°C cold bend, cold impact PLTC Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505
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