

LUTZE ETHERNET BUS (C) PVC, Shielded

Flexible ETHERNET Cable with UL Approvals



Application

- For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Application in automation technology, transport and conveyor technology, machine tool manufacture
- For flexible use and stationary applications

Characteristics

- High active and passive interference resistance (EMC)
- Talc and Silicone free

Technical data

Impedance	100Ω ± 10Ω
Loop resistance	Solid AWG 22/1= 0,34 ² <110Ω/km Strand AWG 24/7= 0,22 ² <165Ω/km Strand AWG 26/7=0.14 ² <273Ω/km
Operating capacitance	< 50pF/m
Nominal voltage	300V
Test voltage	1500V
Temperature range	Moving -5°C - +70°C Fixed -30°C - +80°C
Minimum bending radius	Moving 12 x Cable OD Fixed 6 x Cable OD
Oil resistance	UL 1581
Burning behavior	Flame retardant per DIN EN 60332-1-2 IEC 60332-3-24 UL 1581 section VW-1 Flame Test FT 4
Approvals	cULus CMG RoHS REACH
Item specific certifications	104336 & 104397: CC-Link IE Field
AWG specific approvals	AWG 22: cULus PLTC cURus AWM 600V Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- Foil shield
- Tinned copper braid shield, optical coverage ≥ 85 %
- Jacket PVC, matte, adhesion-free surface
- Green jacket RAL 6018, Teal jacket RAL 5021

For further information, see ETHERNET pages in the Technical Overview

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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Industrial Ethernet/ProfiNet/EtherCat, Green

104301	(2x2xAWG22/1) CMG, PLTC, AWM 20201 600V Cat5e 100 MHz, SF/UTQ Star-Quad, FC, ProfiNet Type A WH/BU, YE/OG	6.5	0.256	44	25
104307	(2x2xAWG22/7) CMG, PLTC, AWM 20201 600V Cat5e 100 MHz, SF/UTQ Star-Quad, FC, ProfiNet Type B WH/BU, YE/OG	6.5	0.256	44	21

Industrial Ethernet/Ethernet IP, Green

104335	(4x2xAWG26/7) CMG Cat5e 100 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.3	0.248	0.248	20
104336	(4x2xAWG24/7) CMG Cat5e 100 MHz, SF/UTP WHBU/BU, WHOG/OG, WH GN/GN, WHBN/BN	7.3	0.287	46	26
104338	(4x(2xAWG26/7)) CMG Cat6A 500 MHz, S/FTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.4	0.252	36	22
104397	(4x(2xAWG22/1)) CMG, PLTC, AWM 2570 600V Cat6A 500 MHz, S/FTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.6	0.378	65	36
104331	(4x(2xAWG26/7)) CMG Cat7 600 MHz, S/FTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.0	0.276	42	22

Industrial Ethernet/Ethernet IP, Teal

104197	(2x2xAWG22/7) CMR, CMX Outdoor, PLTC, AWM 2570 600V Cat5e 100 MHz, SF/UTP WHGN/GN, WHOG/OG	7.5	0.295	43	20
104349	(4x2xAWG22/7) CMG, CMX Outdoor, PLTC, AWM 2570 600V Cat5e 100 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	8.6	0.338	62	32