

LUTZE ETHERNET (C) PVC, Shielded

Flexible Ethernet Cable for Stationary Applications



Application

- For the cabling of industrial Ethernet systems
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Application in automation technology, transport and conveyor technology, machine tool manufacturing
- Compliant with NFPA 79 requirements

Characteristics

- High protection against electromagnetic interference (EMI)
- Talc and silicone free

Technical data

Voltage	300V
Test voltage	1500V
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
Temperature range	Moving -5°C - +70°C Fixed -30°C - +80°C
Bending radius min	Moving 12 x Cable OD Fixed 6 x Cable OD
Burning behavior	Flame retardant per DIN EN 60332-1-2 IEC 60332-3-24 UL 1581 FT4
Approvals	CMG 75C RoHS REACH
Item specific certifications	104336 & 104397: CC-Link IE Field
AWG specific approvals	AWG 22:
	PLTC 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 %
- Oil resistant PVC jacket
- Green jacket similar to RAL 6018
- Teal jacket similar to 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, SF/UTQ FC, PROFINET Type A WH/BU, YE/OG	6.5	0.256	44	25
104307	(2x2xAWG22/7) CMG, PLTC, AWM 20201 600V Cat5e, SF/UTQ FC, PROFINET Type B WH/BU, YE/OG	6.5	0.256	44	21

Industrial Ethernet/Ethernet IP, Green

104335	(4x2xAWG26/7) CMG Cat5e, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.3	0.248	37	20
104336	(4x2xAWG24/7) CMG Cat5e, SF/UTP WHBU/BU, WHOG/OG, WH GN/GN, WHBN/BN	7.3	0.287	46	26
104338	(4x(2xAWG26/7)) CMG Cat6A, 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, S/FTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.6	0.378	65	36
104331	(4x(2xAWG26/7)) CMG Cat7, 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, SF/UTP WHGN/GN, WHOG/OG	7.5	0.295	43	20
104349	(4x2xAWG22/7) CMG, CMX Outdoor, PLTC, AWM 2570 600V Cat5e, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	8.6	0.338	62	32
A1040300	(4x(2xAWG22/1)) CMR, CMX Outdoor, PLTC, AWM 2570 600V Cat7, S/FTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.6	0.378	65	36