

# 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	AWG 22/1= 0,34 <sup>2</sup> <110Ω/km
	AWG 24/7= 0,22 <sup>2</sup> <165Ω/km
	AWG 26/7=0.14 <sup>2</sup> <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, TSCA
Item specific certifications	104336 & 104397: CC-Link IE Field
Item specific approvals	104397 & A1040300: PLTC-ER Wet Location
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
- Tinned copper wire (104307, 104197, 104349)
- 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 5018

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

<b>104301</b>	(2x2xAWG22/1) CMG, PLTC, AWM 20201 600V <b>Cat5e, SF/UTQ</b> FC, PROFINET Type A WH/BU, YE/OG	6.5	0.256	44	25
<b>104307</b>	(2x2xAWG22/7) CMG, PLTC, AWM 20201 600V <b>Cat5e, SF/UTQ</b> FC, PROFINET Type B WH/BU, YE/OG	6.5	0.256	44	21

### Industrial Ethernet/Ethernet IP, Green

<b>104335</b>	(4x2xAWG26/7) CMG <b>Cat5e, SF/UTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.3	0.248	37	20
<b>104336</b>	(4x2xAWG24/7) CMG <b>Cat5e, SF/UTP</b> WHBU/BU, WHOG/OG, WH GN/GN, WHBN/BN	7.3	0.287	46	26
<b>104338</b>	(4x(2xAWG26/7)) CMG <b>Cat6A, S/FTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.4	0.252	36	22
<b>104397</b>	(4x(2xAWG22/1)) CMG, PLTC-ER, AWM 2570 600V <b>Cat6A, S/FTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.6	0.378	65	36
<b>104331</b>	(4x(2xAWG26/7)) CMG <b>Cat7, S/FTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.0	0.276	42	22

### Industrial Ethernet/Ethernet IP, Teal

<b>104197</b>	(2x2xAWG22/7) CMR, CMX Outdoor, PLTC, AWM 2570 600V <b>Cat5e, SF/UTP</b> WHGN/GN, WHOG/OG	7.5	0.295	43	20
<b>104349</b>	(4x2xAWG22/7) CMG, CMX Outdoor, PLTC, AWM 2570 600V <b>Cat5e, SF/UTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	8.6	0.338	62	32
<b>A1040300</b>	(4x(2xAWG22/1)) CMR, CMX Outdoor, PLTC-ER, AWM 2570 600V <b>Cat7, S/FTP</b> WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	9.6	0.378	65	36