

LUTZE SUPERFLEX® ETHERNET (C) PUR, Shielded

High Flexing Ethernet Cable for Continuous Motion Applications



Application

- For the cabling of industrial Ethernet systems
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Applicable in automation technology, transport and conveyor technology, machine tool manufacturing
- For continuous flexing applications in drag chains or free movement
- Compatible with all major drag chain brands
- 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	Braid AWG 22/7= 0.34 ² <110Ω/km Braid AWG 24/19= 0.24 ² <155Ω/km Braid AWG 26/19=0.14 ² <280Ω/km
Operating capacitance	50pF/m
Temperature range	Moving -30°C - +70°C Fixed -40°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 60332-1 UL 1581 FT1
Halogen free	According to DIN EN 60754-1
Approvals	Meets NEC 392, 800 RoHS, REACH
Item specific certifications	CMX 75C AWM 21198 80C 300V CC-Link IE Field (104337)

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- Foil shield
- Tinned copper braid, optical coverage 85%
- Oil resistant PUR jacket
- Green jacket similar to RAL 6018

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

104303	(2x2xAWG22/7) CMX Cat5e, SF/UTQ FC, PROFINET, Type C WH/BU; YE/OG	6.5	0.256	41	21
104401	(4x2xAWG24/7) AWM 21198 Cat6A, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	8.9	0.350	59	27

Industrial Ethernet/Ethernet IP

104337	(4x2xAWG24/19) AWM 21198 Cat5e, S/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.8	0.307	46	37
104396	(4x2xAWG26/19) AWM 21198 Cat5e, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.7	0.264	36	19
104347	(4x2xAWG26/19) CMX Cat6, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.9	0.311	42	28
104404	(4x(2xAWG24/7)) CMX Cat7, S/FTP WH/BU, WH/OG, WH/GN, WH/BN	9.4	0.370	65	30