

LÜTZE SUPERFLEX® ETHERNET BUS (C) PUR, Shielded

High Flexing ETHERNET Cable with UL Approval



Application

- For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol
- Applicable in automation technology, transport and conveyor technology, machine tool manufacturing
- For continuous flexible applications in C-tracks or free movement

Characteristics

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

Technical data

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
Nominal voltage	300V
Test voltage	1500V
Temperature range	Moving -30°C - +70°C Fixed -40°C - +80°C
Minimum bending radius	Moving 12 x cable OD Fixed 6 x cable OD
Burning behavior	Flame retardant per VDE 0482 part 265-2; IEC 60332-1; UL 1581 section VW-1 Flame test; CSA FT 1
Halogen free	According to DIN EN 50267-2-1
Approvals	cULus CMX cURus AWM RoHS REACH

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- ST static foil shield
- Tinned copper braid, optical coverage ≥ 85 %
- Jacket special-PUR, matte, adhesion-free surface
- Green jacket RAL 6018

For further information, see ETHERNET pages in the Technical Overview

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

104302	(2x2xAWG22/19) CMX Cat5 100 MHz, SF/UTQ Star-Quad, FC WH/BU; YE/OG	6.6	0.260	50	25
104303	(2x2xAWG22/7) CMX Cat5 100 MHz, SF/UTQ Star-Quad, FC, ProfiNet Type C WH/BU; YE/OG	6.5	0.256	41	21

SUPERFLEX Industrial Ethernet/Ethernet IP

104379	(2x2xAWG26/19) AWM 21198 Cat5e 100 MHz, SF/UTQ WH/BU; YE/OG	5.3	0.209	24	12
104337	(4x2xAWG24/19) AWM 21198 Cat5e 100 MHz, S/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.8	0.307	46	37
104396	(4x2xAWG26/19) AWM 21198 Cat5e 100 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	6.7	0.264	36	19
104347	(4x2xAWG26/19) CMX Cat6 350 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.9	0.311	42	28

Specifications are subject to change without prior notice