

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	100 Ω ± 10 Ω
Loop resistance	Braid AWG 22/7= 0.34 ² <110 Ω/km Braid AWG 24/19= 0.24 ² <155 Ω/km Braid AWG 26/19=0.14 ² <280 Ω/km
Maximum conductor capacitance	50 pF/m
Rated voltage	250 V
Test voltage	1500 V
Temperature range	Moving -25 °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 50264-1
Approvals	UL listed (CMX) UL recognized AWM 21198 (AWM) RoHS REACH

Construction

- AWG conductor
- Bare copper wire
- Braid according to AWG
- 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 Fast ETHERNET / ProfiNet

104302	(1x4xAWG22/19)StC CMX Cat5 100 MHz, SF/UQP WH/BU; YE/OG	6.6	0.260	50.4	24.9
104303	(1x4xAWG22/7)StC CMX Cat5 100 MHz, SF/UQP WH/BU; YE/OG	6.5	0.256	41.0	20.8

SUPERFLEX Industrial ETHERNET, ETHERNET IP

104337	(4x2xAWG24/19) AWM Cat5e 100 MHz, S/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.8	0.307	45.7	37.0
104347	(4x2xAWG26/19) CMX Cat6 350 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN	7.9	0.311	42.3	28.2