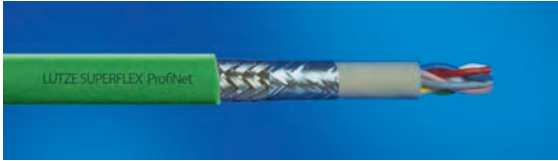


BUS conductors · c-track compatible

LÜTZE SUPERFLEX[®] ETHERNET BUS (C) PUR



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 manufacture
- For continuous flexible application e.g. in c-tracks or free movement

Properties

- High active and passive interference resistance
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Impedance	100 Ω ± 10 % (1–100 MHz)
Loop resistance	
Braid AWG 23/19= 0.30 ²	<130 Ω/km
Braid AWG 24/19= 0.24 ²	<155 Ω/km
Braid AWG 26/19= 0.14 ²	<280 Ω/km
Braid AWG 22/7= 0.34 ²	<110 Ω/km
Operating capacitance	< 50 pF/m
Rated voltage	250 V
Test voltage	1500 V
Temperature range	
moving	-25 °C to +70 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to 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; EN 50267-2-1 and EN 60684-2
Approvals	UL approval 30 V 80°C (see article designation UL)
Note	Instructions for laying of c-track lines in Chapter 2 of catalogue TK1.

Design

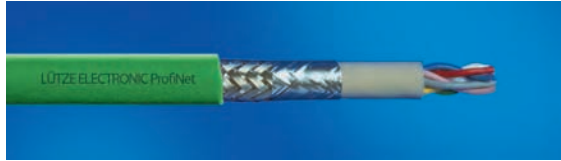
- Bare copper wire
- Braid according to AWG
- Conductor insulation special polyolefin
- ST static shield
- Halogen-free inside jacket
- Galvanised copper wire braid, optical coverage ≥ 85 %
- Jacket special-PUR, matt, adhesion-free surface
- Jacket colour violet RAL 4001; green RAL 6018; black RAL 9005

Part-No.	Number of strands/cross-section/ strand colours	Jacket colour	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
SUPERFLEX Fast Ethernet / ProfiNet					
104304	(2×2×AWG23/19)StC Cat5 UL Star quad; ProfiNet Transmission pair white/blue; yellow/ orange	PUR green	6.6	7.5	3.7
104246	(4×2×AWG24/19) Cat5 UL white/brown, green/yellow, grey/pink, blue/red	PUR violet	9.6	12.5	5.7
104245	(2×2×AWG24/19) Cat5 UL Star quad Transmission pair white/brown; green/ yellow	PUR violet	6.1	6.5	3.7
104242	(4×2×AWG24/19) Cat5 white/brown; green/yellow; grey/pink; blue/red	PUR violet	9.6	12.5	5.7
104241	(2×2×AWG24/19) Cat5 Star quad Transmission pair white/brown; green/ yellow	PUR violet	6.1	6.5	3.7
104303	(2×2×AWG22/7)StC Cat5 UL Star quad; ProfiNet Transmission pair white/blue; yellow/ orange	PUR green	6.5	6.1	3.1
104326	(4×2×AWG26/19) Cat5e whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PUR green	6.3	5.2	3.0
104337	(4×2×AWG24/19) Cat5e whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PUR green	7.8	6.8	5.5
For Siemens Drive-Cliq[®] system					
104310	(2×2×AWG26+2×AWG22)	PUR green	6.8	7.3	3.4
104328	(2×2×AWG24+2×AWG22)	PUR black	6.8	7.3	3.8

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC

BUS cables

LÜTZE ELECTRONIC ETHERNET BUS (C) PUR LÜTZE ELECTRONIC ETHERNET BUS (C) PVC



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 manufacture
- For continuous flexible application e.g. in c-tracks or free movement

Properties

- High active and passive interference resistance
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Impedance	100 Ω ± 10 % (1–100 MHz)
Loop resistance	
Wire AWG 22/1= 0.34 ²	<110 Ω/km
Braid AWG 24/7= 0.22 ²	<165 Ω/km
Braid AWG 26/7=0.14 ²	<273 Ω/km
Operating capacitance	< 50 pF/m
Rated voltage	250 V
Test voltage	1500 V
Temperature range	
moving	-5 °C to +70 °C
run	-30 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to 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; EN 50267-2-1 and EN 60684-2
Approvals	UL approval 30 V 80 °C (see article designation UL)

Design

- Bare copper wire
- Braid according to AWG
- Conductor insulation special polyolefin
- ST static shield
- Galvanised copper wire braid, optical coverage ≥ 85 %
- Jacket special-PUR, matt, adhesion-free surface or PVC
- Jacket colour violet RAL 4001; green RAL 6018

Part-No.	Number of strands/cross-section/ strand colours	Jacket colour	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
ELECTRONIC Fast Ethernet / ProfiNet					
104247	(2×2×0.22/AWG24/7) Cat5 UL Star quad Transmission pair white/brown; green/ yellow	PUR violet	6.1	6.5	2.5
104243	(2×2×0.22/AWG24/7) Cat5 Star quad Transmission pair white/brown; green/ yellow	PUR violet	6.1	6.5	2.5
104301	(2×2×0.64/AWG22/1)StC Cat5 UL Star quad, FC, ProfiNet type A Transmission pair white/blue, yellow/ orange	PVC green	6.5	6.5	3.7
104307	(2×2×0.34/AWG22/7)StC Cat5 UL Star quad, FC, ProfiNet type B Transmission pair white/blue, yellow/ orange	PVC green	6.5	6.5	3.1
104327	(4×2×AWG26/7 StC) Cat5e whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PUR green	6.3	5.0	3.0
104335	(4×2×AWG26/7 StC) Cat5e whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PVC green	6.3	5.4	3.0
104336	(4×2×AWG24/7 StC) Cat5e whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PVC green	7.6	6.7	5.5
104338	(4×(2×AWG26/7)StC) Cat6 whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PVC green	6.4	5,3	3.3
104339	(4×(2×AWG26/7)StC) Cat7 whiteblue/blue, whiteorange/orange, whitegreen/green, whitebrown/brown	PUR green	7.0	6.1	3.3
For Siemens Drive-Cliq® system					
104313	(2×2×AWG26+2×AWG22)	PVC green	6.8	7.3	3.4
104311	(2×2×AWG26+2×AWG22)	PUR green	6.8	7.3	3.4

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