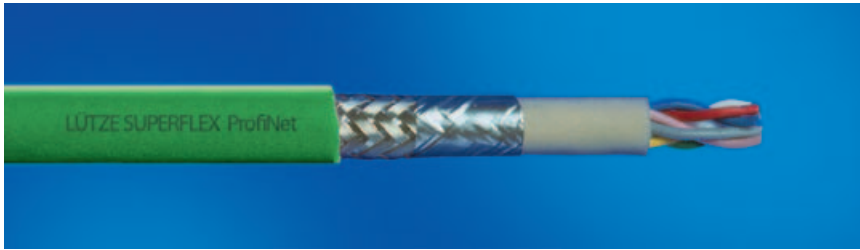


Technical data sheet · LÜTZE SUPERFLEX[®] ETHERNET BUS (C) PUR

BUS cables



Identification	Type	(2×2×0.22/AWG24/19) Cat5 UL
	Part-No.	104245
Use/Area of application		
Application	<ul style="list-style-type: none"> • For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol • Applicable in the automation technology, transport and conveyor technology, machine tool manufacture • SUPERFLEX PUR For continuous flexible application e.g. in c-tracks or free movement 	
Properties	<ul style="list-style-type: none"> • 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 24/19= 0.24 ²	<155 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

23.11.2007 – Subject to technical modification

Part-No. 104245

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
Tel.: +1 (704) 504-0222 • Fax: +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3 Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs, B77 4DU
Tel.: +44 (0)1827 31333-0 • Fax: +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



Systematic Technology

Technical data sheet · LÜTZE SUPERFLEX® ETHERNET BUS (C) PUR

Burning behaviour	Flame-retardant according to VDE 0482 T. 265-2-1; 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
Number of strands/cross-section	(2×2×0,22/AWG24/19) Cat5 UL
Outer-∅	6.1 approx. mm
Weight	6.5 kg/100 m
Cu-Index	3.7 kg/100 m

Design

Strand colours	Star quad Transmission pair white/brown; green/yellow
Conductor structure	Bare copper wire
Cable structure	Braid according to AWG
Conductor insulation	Conductor insulation special polyolefin
Inside jacket	All SUPERFLEX cables with inside jacket
Static shield	ST static shield
Overall shield	Galvanised copper wire braid, optical coverage ≥ 85 %
Outer jacket	Jacket special-PUR, matt, adhesion-free surface
Jacket colour	violett RAL 4001

General

Note	CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively
------	---

Logo



halogenfree

23.11.2007 – Subject to technical modification

Part-No. 104245

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
Tel.: +1 (704) 504-0222 • Fax: +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3 Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs, B77 4DU
Tel.: +44 (0)1827 31333-0 • Fax: +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



Systematic Technology