

Technical data sheet · LÜTZE SUPERFLEX® PLUS (C) PUR SERVO

Feedback cables cULus



PUR encoder cables, c-track suitable · For best performance

Identification	Type	(2×(0.5)+3×(2×0.14))
	Part-No.	111459
Use/Area of application		
Application	• Incremental encoder cable, termination cable for tacho sensor, brake sensor, speed sensor • Through full PUR jacket and TPE cable insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants • Especially for industrial environments, machines and plants	
Properties	• High active and passive interference-resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant • Hydrolisis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good industrial- and salt water resistance • Excellent coolant and lubricant resistance • Widely resistant to oils, greases, alcohol-free benzines and kerosene (see tech. information) • Free from paint wetting disruptive substances (LABS-free), RoHS-compliant	
Technical data		
UL approval	300 V 80°C	
Rated voltage	300 V	

20.04.2012 – Subject to technical modification

Part-No. 111459

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

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

Technical data sheet · LÜTZE SUPERFLEX® PLUS (C) PUR SERVO Feedback cables cULus

Insulation resistance	min. 200 MΩ × km
Inductance	approx. 0.65 µH/m
Temperature range	moving -25 °C to +80 °C fixed -40 °C to +80 °C
Minimum bending radius	moving D × 12 fixed D × 6
Fire performance	Flame-retardant according to VDE 0482 part 265-2; DIN EN 20265-2; IEC 60332-1; UL 1581 section 1080 VW-1; CSA FT 1
Halogen-free	according to DIN EN 50264-1, EN 50267-2-1 and EN 60684-2
Number of strands/cross-section	(2×(0.5)+3×(2×0.14))
Outer-Ø	8.7 approx. mm
Weight	12.8 kg/100 m
Cu-Index	6.9 kg/100 m

Design

Strand colours	0.5: black, red 0.14: black/brown, red/orange, green/yellow
Conductor structure	Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE conductor insulation, UL qualified
Conductor labelling	Conductors colour-coded for specific system
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Overall shield	Meshwork from tinned copper wire braid, optical covering ≥ 85 %
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	green RAL 6018

General

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

Logo

20.04.2012 – Subject to technical modification

Part-No. 111459

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

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® PLUS (C) PUR SERVO
Feedback cables cULus



20.04.2012 – Subject to technical modification

Part-No. 111459

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
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