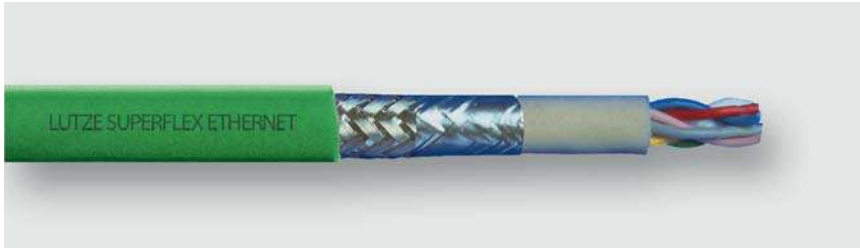


# Technical data sheet · LÜTZE SUPERFLEX® PLUS (C) PUR FEEDBACK

## Encoder cables for Siemens and other systems

### For highest requirements in drive technology



PUR feedback cables · C-track compatible

<b>Identification</b>	Type	SU+(C)P SE(2×2×AWG26+1×2×AWG22)UL 30V GN
	Part-No.	104310
SIEMENS designation*	2DC00	

#### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Incremental encoder cable, connection cable for tachometer, brake sensor, speed sensor</li> <li>• Due to Full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants</li> <li>• Especially for industrial environments in mechanical and system engineering</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• High active and passive interference resistance (EMC)</li> <li>• Braided shield optimised for continuous flexible use</li> <li>• Very good alternating bending strength</li> <li>• Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant</li> <li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li> <li>• Weatherproof, ozone and UV resistant (normal lighting conditions)</li> <li>• Good ruggedness and salt water resistance</li> <li>• Excellent coolant and lubricant resistance</li> <li>• Resistant to most oils, greases, alcohol-free benzines and kerosene</li> <li>• Silicone free</li> <li>• RoHS compliant</li> </ul>

28.04.2017 – Subject to technical modification

Part-No. 104310

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

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#### Construction

Description	SUPERFLEX (C) PUR FEEDBACK SIEMENS
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Jacket material	PUR
Jacket color	green RAL 6018
Outer Ø	6.8 mm
Outer Ø	0.268 inches
Surface	adhesion-free matt
Weight	7.3 kg/100 m
Weight	49 Lbs/Mft
Cu-Index	3.4 kg/100 m
Cu-Index	23 Lbs/Mft

#### Element 1

Element construction	2×2×AWG26
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	pink blue yellow green
Conductor insulation	Polyolefin
Stranding	Conductors stranded in pairs Conductors twisted without mechanical stress layer pitch optimised

#### Element 2

Element construction	1×2×AWG22
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	red black
Conductor insulation	Polyolefin

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Stranding	Conductors stranded in pairs Conductors twisted without mechanical stress layer pitch optimised
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#### overall construction

Overall stranding	stranded layers Conductors twisted without mechanical stress layer pitch optimised
Overall wrapping	Non-woven material
Overall shield	aluminium-laminated film shield Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

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#### Technical data

Test voltage type	AC 1000 V
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Travel distance	≤15 m
Speed	5 m/s
Acceleration	50 m/s <sup>2</sup>

#### Element 1

Element construction	2×2×AWG26
Insulation resistance at 20°C	200 MΩ×km

#### Element 2

Element construction	1×2×AWG22
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#### Approvals/Standards

Approvals	cURus AWM II A/B
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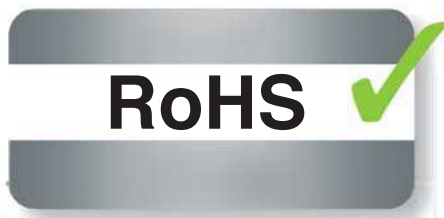
### For highest requirements in drive technology

UL style	AWM 20236
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part 1080 VW-1 UL FT1
Oil resistant according to	UL 1581 HD 22.10
Halogen free according to	DIN EN 60754-1 IEC 60754-1

#### General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

#### Symbols



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