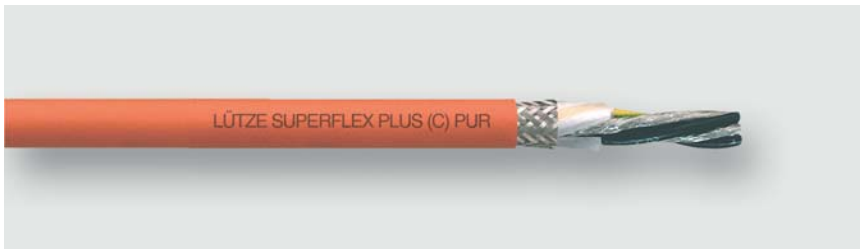


# Technical data sheet - LÜTZE SUPERFLEX<sup>®</sup> PLUS M (C) UL PUR SERVO 0.6/1 kV

Supply line for Siemens and other systems

For highest requirements



PUR servo cables · C-track compatible · shielded

<b>Identification</b>	Type	(4G1,5)
	Part-No.	111460

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Termination cable motor or motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology</li><li>• Through optimized cable construction optimally suited for continuous flexing applications in C-tracks</li><li>• Very good resistance against aggressive coolants and lubricants</li><li>• Especially for industrial environments in machines and plants</li></ul>
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28.10.2014 – Subject to technical modification

Part-No. 111460

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SYSTEMATIC TECHNOLOGY

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Characteristics	<ul style="list-style-type: none"><li>• High active and passive interference resistance (EMC)</li><li>• Braided shield optimised for flexible applications</li><li>• Very good flexing strength</li><li>• Low adhesion, Abrasion-resistant, Tear resistant</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weathering, ozone and UV resistant (normal lighting conditions)</li><li>• Good resistance to wear and salt water</li><li>• Excellent coolant and lubricant resistance</li><li>• Largely resistant to oils, greases, alcohol-free benzines and kerosene (See tech. information)</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>
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#### Technical data

UL approval	AWM 21223
Voltage U <sub>0</sub> /U	0.6/1 kV
Nominal voltage	1000 V 80 °C
Test voltage	4000 V
Insulation resistance	min. 500 MΩ × km
Temperature range	moving -25 °C to +80 °C fixed -40 °C to +80 °C
Minimum bending radius	moving D × 10 fixed D × 6
Jacket material	PUR
Radiation-resistance	5 × 10 <sup>7</sup> cJ/kg
Burning behavior	Flame-retardant according to VDE 0482 part 265-2 DIN EN 50265-2, IEC 60332-1, UL 1581 section 1080 VW-1, CSA FT 1
Halogen-free	according to EN 50267-2-1
Approvals	UL/CSA/CE UL-VW-1 CSA FT1 IEC 60332-1 Halogen free per DIN EN 50264-1 EN 50267-2-1 EN 60684-2 Oil Res II RoHS

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OD-Ø	0.339 inches
Weight	78.4 Lbs/Mft
Copper	51 Lbs/Mft

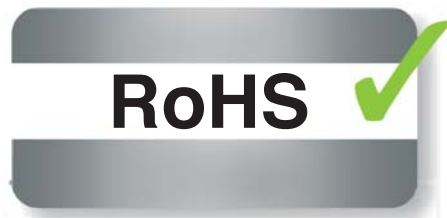
#### Construction

Number of strands/cross-section	(4G1.5)
Conductor structure	Bare copper wire, fine multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE/HGI conductor insulation, UL qualified
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Ground conductor	green/yellow according to DIN EN 50334
Control pair	Control pair colour-coded (bk, wh) Control pair with braided shield and foil tape
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Overall shield	Braid from tinned copper wire, optical covering ≥ 85 %
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket color	orange RAL 2003

#### General

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



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