

# Technical data sheet · LÜTZE SILFLEX® M (C) TPE POWER TRAY CABLE

## Flexible Motor Cable for Allen-Bradley and other systems



TPE Motor cables · shielded · static

<b>Identification</b>	Type	SI M(C)TPE SE(4GAWG12)UL 0,6/1KV OR
	Part-No.	A3161204

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Shielded multi-conductor cable for motor and servo motor applications</li> <li>• Cable design for harsh industrial environments and operating conditions with high noise levels</li> <li>• Improved insulation design with additional conductor stress relief layer as a power distortion suppressant</li> <li>• Compliant with NFPA 79 for machine tool wiring</li> <li>• TC-ER for use with cable trays without conduit, which can reduce material and labor costs</li> <li>• UL Type 1000V Flexible Motor Supply Cable for Motor/Power applications</li> <li>• Dry, damp and wet locations</li> </ul>
-------------	---

29.01.2017 – Subject to technical modification

Part-No. A3161204

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 SILFLEX® M (C) TPE POWER TRAY CABLE

## Flexible Motor Cable for Allen-Bradley and other systems

Characteristics	<ul style="list-style-type: none"> <li>• Conductor stress relief layer prevents premature cable failure and reduces corona effects, increasing reliability and lifetime</li> <li>• Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation</li> <li>• Very round cable with small diameter</li> <li>• Specially formulated TPE jacket for superior oil resistance per Oil Res I and II</li> <li>• Resistant to many mineral and vegetable based cutting oils</li> <li>• Non-wicking fillers</li> <li>• Sunlight resistant</li> <li>• Direct burial</li> <li>• UL Type TC-Exposed Run</li> <li>• Talc free and Silicone free</li> </ul>
-----------------	---

### Construction

Description	SILFLEX M (C) TPE
Number of conductors/cross-section	(4×AWG12)
Jacket material	TPE
Jacket color	orange RAL 2003
Outer Ø	13.1 mm
Outer Ø	0.51 inches
Weight	214 Lbs/Mft
Cu-Index	107 Lbs/Mft

### Element 1

Element construction	AWG12/4C
Conductor construction	AWG 12 (65/30)
Conductor	AWG conductor CU-wire bare
Conductor category	feindrähtig
Conductor marking	brown black blue green/yellow
Conductor insulation	PVC/Nylon

### overall construction

Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Oil resistant mineral oil-resistant bio-oil-resistant Silicone-free

29.01.2017 – Subject to technical modification

Part-No. A3161204

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 SILFLEX<sup>®</sup>M (C) TPE POWER TRAY CABLE

## Flexible Motor Cable for Allen-Bradley and other systems

### Technical data

Rated voltage	600 V UL TC 600 V UL MTW 1000 V WTTC 1000 V Flexible Motor Supply 600 V UL AWM 105 °C
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

### Element 1

Element construction	AWG12/4C
----------------------	----------

### Approvals/Standards

Approvals	cULus TC-ER UL MTW WTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277
Conformity	cURus CE RoHS REACH
Oil resistant according to	Oil Res I Oil Res II

### General

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

### Symbols



29.01.2017 – Subject to technical modification

Part-No. A3161204

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 SILFLEX® M (C) TPE POWER TRAY CABLE Flexible Motor Cable for Allen-Bradley and other systems

---



29.01.2017 – Subject to technical modification

Part-No. A3161204

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