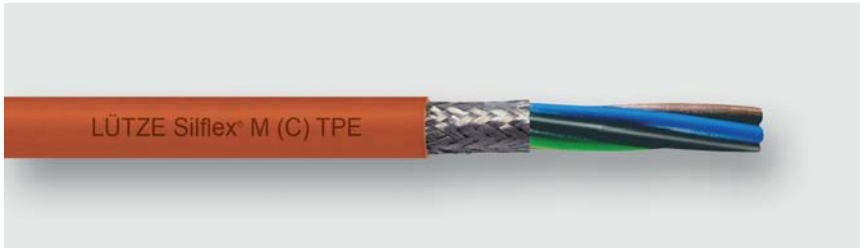


# Technical data sheet - LÜTZE SILFLEX® M (C) TPE POWER TRAY CABLE

## Supply line for Allen-Bradley and other Systems



TPE Motor cables · shielded · static

<b>Identification</b>	Type	(4C/AWG16+1TSP AWG18)
	Part-No.	A3171604

### 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>
-------------	---

18.06.2015 – Subject to technical modification

Part-No. A3171604

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

## Supply line 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>
-----------------	---

---

### Technical data

Nominal voltage	1000 V Flexible Motor Supply 1000 V WTTC 600 V UL TC 600 V UL MTW 600 V UL AWM 105 °C	
Temperature range	moving fixed	-5 °C to +90 °C -40 °C to +90 °C (105 °C)
Minimum bending radius	moving fixed	D × 15 D × 6
Jacket material	TPE	
Approvals	UL Flexible Motor Supply Cable UL Type WTTC 1000 V UL Type TC-ER MTW 600 V UL AWM Style 20328 CE RoHS REACH Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and CIC FT4 UL 1277 Oil Res I and II	
OD Ø	0.478 inches	
Weight	152.0 Lbs/Mft	
Copper	69 Lbs/Mft	

---

### Construction

Strand color	brown, black, blue Pair: black, white
Conductor structure	Bare E-copper wire, ASTM, AWG Class K

18.06.2015 – Subject to technical modification

Part-No. A3171604

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

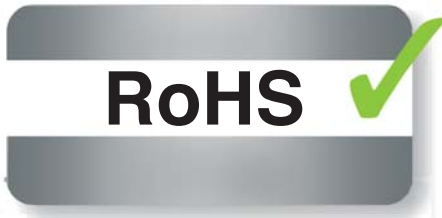
## Supply line for Allen-Bradley and other Systems

---

Conductor insulation	Isolationsstärkende Schicht, Spezial-PVC/Nylon, THHN-THWN
Ground conductor	green/yellow
Overall shield	Braid from tinned copper wire, optical coverage ≥85%
Outer jacket	Special TPE according to UL 1581
Jacket color	orange RAL 2003

---

### Symbols



18.06.2015 – Subject to technical modification

Part-No. A3171604

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