

# 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(4GA-WG16+(2×AWG18))UL 0,6/1KV OR
	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>
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29.01.2017 – Subject to technical modification

Part-No. A3171604

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SYSTEMATIC TECHNOLOGY

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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>
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### Construction

Description	SILFLEX M (C) TPE
Number of conductors/cross-section	(4×AWG16+1×2×AWG18)
Jacket material	TPE
Jacket color	orange RAL 2003
Outer Ø	12.1 mm
Outer Ø	0.477 inches
Weight	161 Lbs/Mft
Cu-Index	72 Lbs/Mft

### Element 1

Element construction	AWG16/4C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire bare
Conductor category	feindrätzig
Conductor marking	brown black blue green/yellow
Conductor insulation	PVC/Nylon

### Element 2

Element construction	AWG18/1TSP
Conductor construction	AWG 18
Conductor	AWG conductor CU-wire bare
Conductor category	feindrätzig
Conductor marking	black white

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Conductor insulation	PVC/Nylon
Stranding	Conductors stranded in pairs

### 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

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### 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	AWG16/4C
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### Element 2

Element construction	AWG18/1TSP
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### 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 cURus
Conformity	CE RoHS REACH
Oil resistant according to	Oil Res I Oil Res II

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## General

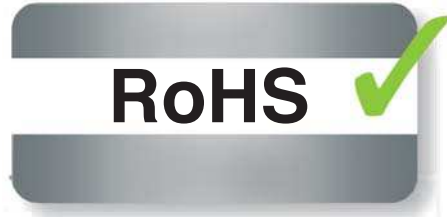
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Note

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

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## Symbols



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