

Technical data sheet · LUTZE SILFLEX[®] M (C) TPE POWER TRAY CABLE
Flexible Motor Cable for Allen-Bradley and other systems



TPE Motor cables · stationary applications ·
shielded

Identification	Type	SI M(C)TPE SE(4GA-WG8+(2×AWG18))UL 0,6/1KV OR
	Part-No.	A3170804

Use/Application/Characteristics

Application	• Shielded multi-conductor cable for motor and servo motor applications • Cable design for harsh industrial environments and operating conditions with high noise levels • Improved insulation design with additional conductor stress relief layer as a power distortion suppressant • Compliant with NFPA 79 for machine tool wiring • TC-ER for use with cable trays without conduit, which can reduce material and labor costs • UL Type 1000V Flexible Motor Supply Cable for Motor/Power applications • Dry, damp and wet locations
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23.01.2020 – Subject to technical modification

Part-No. A3170804

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Characteristics	• Conductor stress relief layer prevents premature cable failure and reduces corona effects, increasing reliability and lifetime • Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation • Very round cable with small diameter • Specially formulated TPE jacket for superior oil resistance per Oil Res I and II • Resistant to many mineral and vegetable based cutting oils • Non-wicking fillers • Sunlight resistant • Direct burial • UL Type TC-Exposed Run • Talc free and Silicone free
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Construction

Description	SILFLEX [®] M (C) TPE
Number of conductors/cross-section	(4×AWG8+1×2×AWG18)
Cross-section AWG	AWG 8
Cross-section, metric	10 mm ²
Jacket material	TPE
Jacket color	orange RAL 2003
Outer Ø	22.5 mm
Outer Ø	0.89 inch
Weight	568 Lbs/Mft
Cu-Index	285 Lbs/Mft

Element 1

Element construction	AWG8/4C
Conductor construction	AWG 8 (168/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire
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	fine wire

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SYSTEMATIC TECHNOLOGY

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Conductor marking	black white
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

Technical data

Rated voltage U _N	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	AWG8/4C
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Element 2

Element construction	AWG18/1TSP
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Certifications/Standards

Certifications	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

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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



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