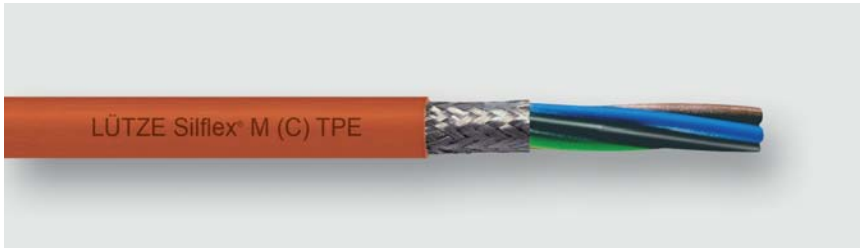


Technical data sheet - LÜTZE SILFLEX[®] M (C) TPE POWER TRAY CABLE

Flexible Motor Cable for Allen-Bradley and other systems



TPE Motor cables · shielded · static

Identification	Type	SI M(C)TPE SE(4GA-WG2+(2xAWG16))UL 0,6/1KV OR
	Part-No.	A3170204

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • 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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15.08.2018 – Subject to technical modification

Part-No. A3170204

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SYSTEMATIC TECHNOLOGY

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Characteristics	<ul style="list-style-type: none"> • 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	(4xAWG2+1x2xAWG18)
Jacket material	TPE
Jacket color	orange RAL 2003
Outer Ø	34.1 mm
Outer Ø	1.34 inches
Weight	1543 Lbs/Mft
Cu-Index	983 Lbs/Mft

Element 1

Element construction	AWG2/4C
Conductor construction	AWG 2 (665/30)
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
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

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 6xD

Element 1

Element construction AWG2/4C

Element 2

Element construction AWG18/1TSP

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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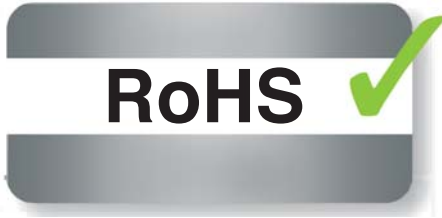
Flexible Motor Cable for Allen-Bradley and other systems

General

Note

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

Symbols



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