

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-WG14+(2×AWG18))UL 0,6/1KV OR |
| | Part-No. | A3171404 |

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 |
|-------------|---|

29.01.2017 – Subject to technical modification

Part-No. A3171404

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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 |
|-----------------|---|

Construction

| | |
|------------------------------------|---------------------|
| Description | SILFLEX M (C) TPE |
| Number of conductors/cross-section | (4×AWG14+1×2×AWG18) |
| Jacket material | TPE |
| Jacket color | orange RAL 2003 |
| Outer Ø | 12.8 mm |
| Outer Ø | 0.505 inches |
| Weight | 196 Lbs/Mft |
| Cu-Index | 92 Lbs/Mft |

Element 1

| | |
|------------------------|--|
| Element construction | AWG14/4C |
| Conductor construction | AWG 14 (41/30) |
| Conductor | AWG conductor CU-wire bare |
| Conductor category | feindrähtig |
| 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 | feindrähtig |
| 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 | 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 | AWG14/4C |
|----------------------|----------|

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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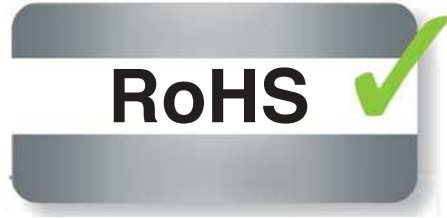
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General

Note

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

Symbols



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