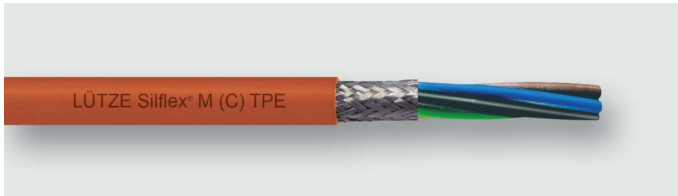


Technical data sheet

TPE Motor cables · static · shielded

LUTZE SILFLEX® M (C) MOTOR TPE

Flexible Motor Cable for Allen-Bradley and other systems



Identification

Type SI M(C)TPE SE(4GAWG8) 0,6/1KV OR
Part No. [A3160804](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Shielded motor supply cable to connect power to 3-phase motors. VFD's and Servo Drives
 - 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 requirements
 - TC-ER for use with cable trays without conduit, which can reduce installation costs in industrial environments
 - Dry, damp or wet locations
- Properties
- Improved Design with conductor stress relief layer helps to prevent premature cable failure and reduces corona effects, increasing reliability and lifetime
 - Crush impact resistant
 - Gas/vapor-tight sheath per UL 1277
 - Very round cable with small Diameter
 - Specially formulated TPE jacket for superior oil resistance
 - Largely resistant to mineral and vegetable-based cutting oils
 - Non-wicking fillers
 - Sunlight resistant
 - Flame-retardant
 - Talc free and silicone free

Construction

Description SILFLEX® M (C) TPE

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17.04.2023 • Subject to technical modification

Part No. [A3160804](#) • Datasheet version: 00

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

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| | |
|------------------------------------|--------------------|
| Number of conductors/cross-section | (4×AWG8) |
| Number of conductors | 4 |
| Cross-section, metric | 10 mm ² |
| Cross-section AWG | AWG 8 |
| Jacket material | TPE |
| Jacket color | orange RAL 2003 |
| Outer Ø | 21 mm |
| Outer Ø | 0.825 inch |
| Weight | 490 Lbs/Mft |
| Cu-Index | 267 Lbs/Mft |

Construction Element 1

| | |
|------------------------|-------------------------------------|
| Element construction | AWG8/4C |
| Conductor construction | AWG 8 (168/30) |
| Conductor | AWG conductor CU-wire bare |
| Conductor category | fine wire Class K |
| Conductor marking | brown · black · blue · green/yellow |
| Conductor insulation | PVC/Nylon |

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 ... +105 °C |
| Minimum bending radius fixed | 6×D |

Technical Data Element 1

| | |
|----------------------|---------|
| Element construction | AWG8/4C |
|----------------------|---------|

Technical data sheet

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Certifications/Standards

| | |
|----------------------------|--|
| Certifications | UL Flexible Motor Supply Cable UL Type TC-ER cULus UL AWM UL MTW WTTC Class I and II, Div. 2 Class 1 Div. 2 per NEC Zone 2 per NEC 501, 502, 505 cUL TC CIC FT4 UL 1277 |
| Conformity | CE RoHS REACH TSCA |
| 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 |
|------|--|