

# Technical data sheet

PVC motor and servo cables · unshielded

## LUTZE SILFLEX® M XLPE PVC

Flexible Motor Supply Cable XHHW-2 for Stationary Applications



### Identification

Type SI M XLPE PVC 4×AWG2

Part No. [A1100204](#)

### Product version

Datasheet version 00

### Use/Application/Properties

Application

- Motor supply cable to connect power to 3-phase-motors and servo drives
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Compliant with NFPA 79 requirements
- TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

Properties

- Flexible XLPE conductors
- Reduced cable diameter
- High insulation resistance
- Low capacitance cable
- Specially formulated jacket for oil resistance and easy strip design
- Non-wicking fillers
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Sunlight resistant
- Flame retardant
- Direct burial

### Construction

Description SILFLEX® M XLPE PVC

Number of conductors/cross-section 4×AWG2

Number of conductors 4

Cross-section, metric 35 mm<sup>2</sup>

Cross-section AWG AWG 2

Jacket material PVC

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Jacket color	black similar to RAL 9005
Outer Ø	31.5 mm
Outer Ø	1.24 inch
Weight	1263 Lbs/Mft
Cu Index	874 Lbs/Mft

### Construction Element 1

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Element construction	AWG2/04C
Conductor construction	AWG 2 (672/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	Fine wire Class K
Conductor marking	black • with white number print • Ground conductor: green/yellow
Conductor insulation	XLPE XHHW-2 Wet/Dry

### Technical data

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Rated voltage U <sub>N</sub>	600 V TC-ER 90C 1000 V Flexible VFD servo cable 90C 1000 V WTTC 90C 1000 V 105C AWM
Temperature range moving	-40 °C ... +90 °C
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	4×cable OD

### Technical Data Element 1

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Element construction	AWG2/04C
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### Approvals/Standards

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Approvals	UL Flexible Motor Supply Cable Flexible VFD Servo Cable TC-ER WTTC UL DP-1 Meets NEC 336, 392 Class I and II, Div. 2 Zone 2 per NEC 501, 502, 505 Submersible Pump C(UL) TC and CIC FT4 UL 1277
UL style	AWM 20886
Conformity	CE RoHS REACH TSCA
Oil resistant according to	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