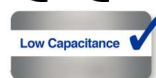


## Technical data sheet

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×AWG12  
Part No. [A1101204](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- |             |  |
|-------------|--|
| Application | <ul style="list-style-type: none"><li>• Motor supply cable to connect power to 3-phase-motors and servo drives</li><li>• Thermoset XLPE insulation offering superior overload and short-circuit temperature</li><li>• Compliant with NFPA 79 requirements</li><li>• TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments</li><li>• WTTC – wind turbine tray cable rating for use in wind power generation</li><li>• Dry, damp or wet conditions</li></ul>   |
| Properties  | <ul style="list-style-type: none"><li>• Flexible XLPE conductors</li><li>• Reduced cable diameter</li><li>• High insulation resistance</li><li>• Low capacitance cable</li><li>• Specially formulated jacket for oil resistance and easy strip design</li><li>• Non-wicking fillers</li><li>• Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures</li><li>• Crush impact resistant</li><li>• Gas/vapor-tight sheath per UL 1277</li><li>• Sunlight resistant</li><li>• Flame retardant</li><li>• Direct burial</li></ul> |

#### Construction

Description	SILFLEX® M XLPE PVC
Number of conductors/cross-section	4×AWG12
Number of conductors	4
Cross-section, metric	4 mm <sup>2</sup>
Cross-section AWG	AWG 12
Jacket material	PVC

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30.01.2025 • Subject to technical modification  
Part No. [A1101204](#) • Datasheet version: 00

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Jacket color	black similar to RAL 9005
Outer Ø	12.7 mm
Outer Ø	0.5 inch
Weight	162 Lbs/Mft
Cu Index	84 Lbs/Mft

#### Construction Element 1

Element construction	AWG12/04C
Conductor construction	AWG 12 (65/30)
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

Rated voltage $U_N$	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

Element construction	AWG12/04C
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#### Approvals/Standards

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