

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×AWG10
Part No. [A1101004](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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×AWG10
Number of conductors	4
Cross-section, metric	6 mm ²
Cross-section AWG	AWG 10
Jacket material	PVC

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222
www.lutze.com • info@lutze.com

30.01.2025 • Subject to technical modification
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Jacket color	black similar to RAL 9005
Outer Ø	15.6 mm
Outer Ø	0.615 inch
Weight	254 Lbs/Mft
Cu Index	130 Lbs/Mft

Construction Element 1

Element construction	AWG10/04C
Conductor construction	AWG 10 (105/30)
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	AWG10/04C
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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

Note

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