

# Technical data sheet · LÜTZE DRIVEFLEX XLPE (C) PVC

## With approvals for North America according to NEC, NFPA 79 and UL 508A



PVC motor, servo and frequency converter cables shielded

<b>Identification</b>	Type	VFD XLPE (C) PVC (4×AWG16)
	Part-No.	A2161604

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Shielded motor connection cable, especially for connecting motors to frequency converters</li> <li>• Flexible design for easy installation</li> <li>• Compliant with NFPA 79 standards</li> <li>• Low capacitance and high dielectric strength for long cable lengths from inverter to motor</li> <li>• In dry and moist rooms</li> <li>• Especially for industrial environments in mechanical and system engineering</li> <li>• „TC-ER“ for use in machines and open cable ducts</li> <li>• Flexible Motor Supply (Flexible VFD &amp; Servo) for connection to electrical drives</li> <li>• „WTTC“ Wind Turbine Tray Cable for use in wind turbines</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Special XLPE insulation with low capacitance</li> <li>• High dielectric strength</li> <li>• Effective EMC-compatible shielding thanks to 2-layer shield</li> <li>• PVC outer jacket, easy to strip</li> <li>• Sunlight-resistant</li> <li>• „Direct burial“ for installation in the ground</li> <li>• Silicone free</li> <li>• RoHS compliant</li> </ul>

### Construction

29.01.2017 – Subject to technical modification

Part-No. A2161604

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SYSTEMATIC TECHNOLOGY

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Description	DRIVEFLEX XLPE (C) PVC
Number of conductors/cross-section	(4GAWG16)
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	12.4 mm
Outer Ø	0.49 inches
Weight	22.2 kg/100 m
Weight	149 Lbs/Mft
Cu-Index	57 Lbs/Mft

### Element 1

Element construction	AWG16/4C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	black with white number print green/yellow
Conductor insulation	XLPE RHW-2

### overall construction

Drain wire	CU-wire tin-plated
Overall shield	Foil shield Tinned copper wires Braid shield optical cover approx. 80%
Jacket characteristics	Oil resistant Silicone-free

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### Technical data

Rated voltage	600 V TC-ER 1000 V Flexible VFD servo cable 90C 1000 V WTTC
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

### Element 1

Element construction	AWG16/4C
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### Approvals/Standards

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Approvals	cULus TC-ER UL DP-1 WTTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277 Wet/Dry P-07-KA130021-MSHA
Conformity	CE RoHS REACH
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 2006/95/EC

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### Symbols



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