

# Technical data sheet - LUTZE DRIVEFLEX<sup>®</sup> 3 SYMMETRICAL 1000 V with Three Symmetrical Grounds and UL 1 kV Voltage Rating

Flexible Composite VFD, Servo &  
Motor Supply Cable - Shielded

## Leerwert Standard- sprache

<b>Identification</b>	Type	2/0/AWG8
	Part-No.	A2202/003

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Shielded VFD and Motor cable to connect power from drives to motors</li><li>• Three insulated symmetrical grounds design helps to reduce stray currents</li><li>• Cable design for harsh industrial environments and operating conditions with high noise levels</li><li>• 1 kV rated XLPE insulation with low capacitance, ideal for applications with <b>high voltage spikes and long cable runs</b></li><li>• Compliant with <b>NFPA 79</b> for wiring of industrial machinery</li><li>• <b>TC-ER</b> for use with cable trays <b>without conduit</b>, which can reduce material and labor costs</li><li>• WTTC – wind turbine tray cable rating for use in wind power generation</li><li>• Dry, damp or wet conditions</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• Flexible XLPE conductors</li><li>• Three symmetrical grounds (PE)</li><li>• Non-wicking fillers</li><li>• Effective dual layer shield for best EMC results</li><li>• Specially formulated jacket for oil resistance and easy strip design</li><li>• Low capacitance cable</li><li>• Sunlight resistant</li><li>• Direct burial</li><li>• UL Type TC-Exposed Run</li><li>• Talc free and silicone free</li></ul>

28.10.2014 – Subject to technical modification

Part-No. A2202/003

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## Technical data

Nominal voltage	1000 V Flexible VFD servo cable 90C 1000 V WTTC 600 V TC-ER 90C	
Temperature range	fixed	-40 °C to +90 °C
Minimum bending radius	fixed	D × 7.5
Jacket material	PVC	
Approvals	UL Type Flexible VFD Servo cable (AWG 6 to 4/0 only) UL Type WTTC UL Type TC-ER C(UL) TC CIC FT4 CE Class 1 Div. 2 per NEC Art. 336, 392, 501 UL 1277 UL 2277 Oil Res II Wet/Dry RoHS, REACH	
OD-Ø	1.400 inches	
Weight	2066.0 Lbs/Mft	
Copper	16.7 Lbs/Mft	

## Construction

Conductor structure	Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
Conductor insulation	XLPE insulation, Wet/Dry XHHW-2
Conductor marking	Conductors black with white numbers
Ground conductor	green/yellow according to DIN EN 50334
Overall shield	Shielded with foil tape, tinned copper braid with ≥80 % optical coverage and drain wire
Outer jacket	Flexible, oil resistant PVC jacket
Jacket color	black RAL 9005

## Symbols

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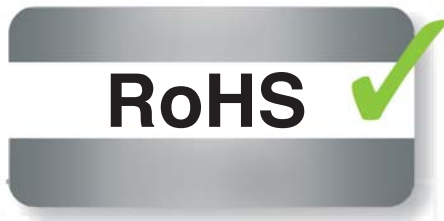
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SYSTEMATIC TECHNOLOGY

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