

Technical data sheet · LUTZE DRIVEFLEX® 3 SYMMETRICAL 1000 V with Three Symmetrical Grounds and UL 1 kV Voltage Rating



Flexible Composite VFD, Servo &
Motor Supply Cable · Shielded

| | | |
|-----------------------|----------|--|
| Identification | Type | VFD XLPE 3 (C) PVC (3×AWG2+3×AWG10) |
| | Part-No. | A2200203 |

Use/Application/Characteristics

| | |
|-------------|---|
| Application | <ul style="list-style-type: none"> • Shielded VFD and Motor cable to connect power from drives to motors • Three insulated symmetrical grounds design helps to reduce stray currents • Cable design for harsh industrial environments and operating conditions with high noise levels • 1 kV rated XLPE insulation with low capacitance, ideal for applications with high voltage spikes and long cable runs • Compliant with NFPA 79 for wiring of industrial machinery • TC-ER for use with cable trays without conduit, which can reduce material and labor costs • WTTC – wind turbine tray cable rating for use in wind power generation • Dry, damp or wet conditions |
|-------------|---|

29.01.2017 – Subject to technical modification

Part-No. A2200203

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SYSTEMATIC TECHNOLOGY

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| | |
|-----------------|--|
| Characteristics | <ul style="list-style-type: none"> • Flexible XLPE conductors • Three symmetrical grounds (PE) • Non-wicking fillers • Effective dual layer shield for best EMC results • Specially formulated jacket for oil resistance and easy strip design • Low capacitance cable • Sunlight resistant • Direct burial • UL Type TC-Exposed Run • Talc free and silicone free |
|-----------------|--|

Construction

| | |
|------------------------------------|---------------------------------|
| Description | DRIVEFLEX 3 SYMMETRICAL GROUNDS |
| Number of conductors/cross-section | (3×AWG2+3×AWG10) |
| Jacket material | PVC |
| Jacket color | black RAL 9005 |
| Outer Ø | 29.3 mm |
| Outer Ø | 1.155 inches |
| Weight | 1230 Lbs/Mft |
| Cu-Index | 875 Lbs/Mft |

Element 1

| | |
|------------------------|-------------------------------------|
| Element construction | AWG2/3C |
| Conductor construction | 511 Litzten |
| Conductor | AWG conductor CU-wire tin-plated |
| Conductor category | feindrähtig |
| Conductor marking | black with white number print |
| Conductor insulation | XLPE XHHW-2 |

Element 2

| | |
|------------------------|-------------------------------------|
| Element construction | AWG10/3C |
| Conductor construction | 80 Litzten |
| Conductor | AWG conductor CU-wire tin-plated |
| Conductor category | feindrähtig |
| Conductor marking | green/yellow |
| Conductor insulation | XLPE 3C XHHW-2 (Ground/PEs) |

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overall construction

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

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 | 7.5×D |

Element 1

| | |
|----------------------|---------|
| Element construction | AWG2/3C |
|----------------------|---------|

Element 2

| | |
|----------------------|----------|
| Element construction | AWG10/3C |
|----------------------|----------|

Approvals/Standards

| | |
|----------------------------|--|
| Approvals | cULus WTTC TC-ER cUL TC CIC FT4 Class 1 Div. 2 per NEC Art. 336, 392, 501 UL 1277 UL 2277 Wet/Dry P-07-KA130021-MSHA |
| Conformity | CE RoHS REACH |
| Oil resistant according to | Oil Res II |

General

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

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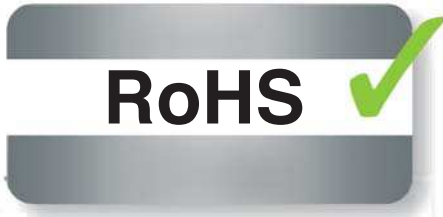
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Symbols



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