

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

| | | |
|-----------------------|----------|----------------------------|
| Identification | Type | VFD XLPE (C) PVC (4xAWG14) |
| | Part-No. | A2161404 |

Use/Application/Characteristics

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

Construction

28.11.2017 – Subject to technical modification

Part-No. A2161404

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SYSTEMATIC TECHNOLOGY

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| | |
|------------------------------------|------------------------|
| Description | DRIVEFLEX XLPE (C) PVC |
| Number of conductors/cross-section | (4GAWG14) |
| Jacket material | PVC |
| Jacket color | black RAL 9005 |
| Outer Ø | 14.2 mm |
| Outer Ø | 0.56 inches |
| Weight | 29.7 kg/100 m |
| Weight | 200 Lbs/Mft |
| Cu-Index | 80 Lbs/Mft |

Element 1

| | |
|------------------------|--|
| Element construction | AWG14/4C |
| Conductor construction | AWG 14 (41/30) |
| Conductor | AWG conductor CU-wire tin-plated |
| Conductor category | fine wire |
| 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 |

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 | 6xD |

Element 1

| | |
|----------------------|----------|
| Element construction | AWG14/4C |
|----------------------|----------|

Approvals/Standards

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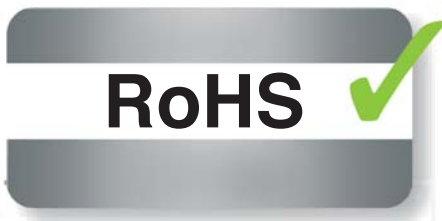
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| | |
|----------------------------|---|
| Approvals | cULus TC-ER UL DP-1 WTTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277 Wet/Dry P-07-KA130021-MSHA |
| Conformity | CE RoHS REACH |
| Oil resistant according to | Oil Res II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

General

Note CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC

Symbols



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