## Technical data sheet · Flexible VFD Cable XHHW-2 with UL Approval

![Flexible VFD Cable XHHW-2](image)

### Identification

<table>
<thead>
<tr>
<th>Part-No. A1061404</th>
</tr>
</thead>
</table>

### Use/Application/Characteristics

**Application**
- Shielded motor supply cable to connect power to 3-phase motors, VFD's and Servo Drives
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE offering superior overload and short-circuit temperature
- Type XHHW-2 insulation offering smaller ODs for general VFD applications
- Compliant with NFPA 79 for wiring of industrial machinery
- TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments per NEC 336.10 (7)
- WTTC - wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

**Characteristics**
- Flexible XLPE conductor design
- Reduced cable ODs
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Sunlight resistant
- Flame retardant
- Direct burial
- Talc and Silicone free

### Construction

<table>
<thead>
<tr>
<th>Description</th>
<th>DRIVEFLEX® XLPE (C) PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of conductors/cross-section</td>
<td>(4×AWG14)</td>
</tr>
<tr>
<td>Jacket material</td>
<td>PVC</td>
</tr>
<tr>
<td>Jacket color</td>
<td>black RAL 9005</td>
</tr>
</tbody>
</table>

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26.11.2018 – Subject to technical modification

Part-No. A1061404

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| Outer ∅ | 11.6 mm |
| Outer ∅ | 0.456 inches |
| Weight | 154 Lbs/Mft |
| Cu-Index | 76 Lbs/Mft |

### Element 1
- **Element construction**: 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
  - XHHW-2
  - Wet/Dry

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

### Technical data
- **Rated voltage $U_N$**: 600 V 90C UL TC-ER-JP
  - 1000 V Flexible VFD servo cable
  - Cable, 1000 V 105C AWM
  - 1000 V WTTC
- **Temperature range fixed**: -40 °C … +105 °C
- **Bending radius**: $6 \times D$

### Element 1
- **Element construction**: 41/30

### Approvals/Standards

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| Approvals | UL Flexible Motor Supply Cable  
Flexible VFD Servo Cable  
cULus  
TC-ER-JP  
UL DP-1  
Meets NEC 336,392  
Class I & II, Div. 2 and Class I  
Zone 2 per NEC 501, 502, 505  
Submersible Pump (≥ AWG14)  
cUL TC  
CIC FT4  
UL 1277  
cURus |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>UL style</td>
<td>AWM 20886</td>
</tr>
</tbody>
</table>
| Conformity| CE  
RoHS  
REACH |
| Oil resistant according to | Oil Res I  
Oil Res II |

**General**

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

**Symbols**

![UL US](image)  
Low Capacitance  
RoHS  
DRIVEFLEX

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