

# Motor, Servo and Drive Applications

## LUTZE offers a wide range of cables especially designed for motor supply applications

### Unshielded Motor Supply Cable

For any standard motor supply application without the use of VFD's, and where shielding is not required, we recommend the use of **LUTZE SILFLEX® Tray-ER TPE, unshielded** cables with PVC/Nylon insulation. These cables are available in sizes up to 4/0 and offer superior flexibility paired with ruggedness due to the premium TPE jacket. These power tray cables offer the ability to be installed within and outside the cable tray due to the TC-ER and MTW ratings in accordance with NEC article 336.

### Variable Frequency Drives (VFD, VSD)

For any motor supply application involving an AC Variable Frequency Drive, we recommend **LUTZE DRIVEFLEX®** cables with **XLPE** insulation. These cables have very low capacitance, high impedance and high voltage breakthrough resistance. XLPE insulation is the superior choice for VFD applications with pulse width modulation (PWM) to cope with high voltage spikes and power distortions from the VFD output. These cables are UL listed Flexible motor supply / Flexible VFD Servo cable and TC-ER Power Tray cables.



#### **LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded A106 with XLPE Insulation type XHHW-2**

Small diameter flexible VFD & Motor Supply Cable with 4 conductors including one full size ground. Suitable for all generic drive applications with classic three phase wiring and for any direct, reversing or soft starter application.



#### **LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded A107 with XLPE Insulation type XHHW-2**

Small diameter flexible VFD & Motor Supply Cable with 4 conductors including one full size ground, plus one twisted shielded pair for feedback. Suitable for servo systems such as Rockwell\*, Siemens\* etc., which require one control pair.



#### **LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded A216 with XLPE Insulation Type RHW-2/XHHW-2**

Flexible VFD & Motor Supply Cable with 4 conductors including one full size ground. Low capacitance design allowing for longer cable runs. Suitable for all generic drive applications with classic three phase wiring.



#### **LUTZE DRIVEFLEX® XLPE (C) Servo I PVC, Shielded A217 with insulation Type RHW-2/XHHW-2**

Flexible VFD & Motor Supply Cable with 4 conductors including one full size ground, plus one twisted shielded pair for feedback. Low capacitance design allowing for longer cable runs. Suitable for servo systems such as Rockwell\*, Siemens\* etc., which require one control pair.



#### **LUTZE DRIVEFLEX® XLPE (C) Servo II PVC, Shielded A218 with insulation Type RHW-2/XHHW-2**

Flexible VFD & Motor Supply Cable with 4 conductors including one full size ground, plus two twisted shielded pairs for feedback. Suitable for servo systems such as Rockwell\*, Indramat\* etc., which require two control pairs.



#### **LUTZE DRIVEFLEX® XLPE (C) Symmetrical Grounds PVC, Shielded A220 1kV with insulation type XHHW-2**

Flexible VFD & Motor Supply Cable with 3 symmetrical grounds 1kV. The symmetry in the conductor design reduces motor frame voltage induced by high motor current. Symmetrical ground cable is recommended by ABB\* and Rockwell\* for larger horsepower motors.

### Flexing cable for Servo Systems and motion control

For any continuous moving application with a Servo Drive, we recommend our special low capacitance cables with TPE or LUTZE High Glide Insulation (HGI) based on Polypropylene such as **LUTZE SUPERFLEX®PLUS M (C) PUR UL SERVO 0,6/1 kV** for high flexing applications in drag chains.

\*registered trademarks not associated with LUTZE