

# LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded

## Flexible VFD Cable XHHW-2 with Control Pair and UL/TC-ER-JP/WTTC/CE Approvals



### 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 OD's
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Sunlight resistant
- Direct burial
- Talc and Silicone free

### Technical Data

Voltage	600V UL TC-ER-JP 1000V Flexible VFD Servo Cable 90C, 1000V 105C AWM 1000V WTTC
Temperature	-40°C - +90°C static
Bending radius	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil Res II
Approvals	UL Type Flexible VFD Servo Cable, TC-ER-JP*, WTTC, DP-1 Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 Joist Pull per NEC 336.10(9)* AWM 20886 c(UL) TC, CIC FT4 UL 1277 Wet/Dry RoHS, REACH

### Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation XHHW-2, Wet/Dry
- Fillers for optimal roundness
- Shielded with foil tape, tinned copper braid with ≥ 80% optical coverage, and drain wire, one size smaller than circuit size
- Oil resistant PVC jacket
- Black jacket RAL 9005

Specifications are subject to change without prior notice  
\* JP starting productions 3/2017



## WITH ONE SHIELDED CONTROL PAIR

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG18 (19/30)</b>					
<b>A1071804</b>	AWG18/04C (19/30)+ 1 TSP AWG18 (19/30)	13.3	0.525	156	66
<b>AWG16 (26/30)</b>					
<b>A1071604</b>	AWG16/04C (26/30)+ 1 TSP AWG18 (19/30)	13.9	0.548	179	79
<b>AWG14 (14/30)</b>					
<b>A1071404</b>	AWG14/04C (41/30)+ 1 TSP AWG16 (26/30)	15.2	0.600	234	112
<b>AWG12 (65/30)</b>					
<b>A1071204</b>	AWG12/04C (65/30)+ 1 TSP AWG16 (26/30)	16.5	0.650	285	154
<b>AWG10 (105/30)</b>					
<b>A1071004</b>	AWG10/04C (105/30)+ 1 TSP AWG14 (41/30)	18.8	0.740	378	216
<b>AWG 8 (168/30)</b>					
<b>A1070804</b>	AWG8/04C (168/30)+ 1 TSP AWG14 (41/30)	24.0	0.945	605	314

"Small diameter general purpose VFD cable for applications with space restrictions such as conduit installations".

