# LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded

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













- 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

Application

- · 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 -40°C - +90°C static

Temperature Bending radius 6 x cable OD

Conductor marking Black with white numbers and

one green/yellow ground

Oil resistance Oil Res II

UL Type Flexible VFD Servo Approvals 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

## 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
	AWG18 (19/30)				
A1071804	AWG18/04C (19/30)+ 1 TSP AWG18 (19/30)	13.3	0.525	156	66
	AWG16 (26/30)				
A1071604	AWG16/04C (26/30)+ 1 TSP AWG18 (19/30)	13.9	0.548	179	79
	AWG14 (14/30)				
A1071404	AWG14/04C (41/30)+ 1 TSP AWG16 (26/30)	15.2	0.600	234	112
	AWG12 (65/30)				
A1071204	AWG12/04C (65/30)+ 1 TSP AWG16 (26/30)	16.5	0.650	285	154
	AWG10 (105/30)				
A1071004	AWG10/04C (105/30)+ 1 TSP AWG14 (41/30)	18.8	0.740	378	216
	AWG 8 (168/30)				
A1070804	AWG8/04C (168/30)+ 1 TSP AWG14 (41/30)	24.0	0.945	605	314

#### 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

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



