

LUTZE DRIVEFLEX® XLPE (C) Servo I PVC, Shielded

Flexible Composite VFD, Servo & Motor Supply Cable with one Control Pair and UL/TC-ER-JP/WTTC/CE Approvals



Application

- Shielded multi-conductor cable for VFD, Servo and Motor applications to connect power from drives to motors
- Cable design for harsh industrial environments and operating conditions with high noise levels
- XLPE thick wall insulation with low capacitance, ideal for applications with **high voltage spikes and long cable runs**
- Compliant with **NFPA 79** for wiring of industrial machinery
- **TC-ER-JP** for use with cable trays **without conduit**, which can reduce material and labor costs
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

Characteristics

- Flexible XLPE conductor design
- Non-wicking fillers
- Effective dual layer shield for EMC compliance
- Specially formulated jacket for oil resistance and easy strip design
- Low capacitance cable
- 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
Minimum 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 P-07-KA130021-MSHA RoHS, REACH

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- XLPE insulation, Wet/Dry (4C RHW-2, 1 Pair XHHW-2)
- Shielded with foil tape, tinned copper braid with ≥80% optical coverage, and drain wire
- 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
A2171604	AWG16/04C (26/30)+ 1 TSP AWG18 (19/30)	15.7	0.620	228	90
A2171404	AWG14/04C (41/30)+ 1 TSP AWG16 (26/30)	16.8	0.660	265	117
A2171204	AWG12/04C (65/30)+ 1 TSP AWG16 (26/30)	18.3	0.720	335	160
A2171004	AWG10/04C (105/30)+ 1 TSP AWG14 (41/30)	20.6	0.810	420	218
A2170804	AWG8/04C (168/30)+ 1 TSP AWG14 (41/30)	26.0	1.025	713	321
A2170604	AWG6/04C (266/30)+ 1 TSP AWG14 (41/30)	27.8	1.095	873	453
A2170404	AWG4/04C (413/30)+ 1 TSP AWG14 (41/30)	31.0	1.220	1,143	650
A2170204	AWG2/04C (665/30)+ 1 TSP AWG14 (41/30)	35.3	1.388	1,574	1,010

TSP = Twisted
Shielded Pair

“RHW-2 insulated VFD cable offering optimal capacitance and impedance values. Great for applications with long cable runs”.

