

LUTZE DRIVEFLEX® XLPE (C) PVC, Shielded

Flexible VFD Cable Type RHW-2 with UL/TC-ER-JP/WTTC/CE Approvals



Application

- Shielded multi-conductor cable for VFD and Motor applications to connect power from drives to motors
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Increased wall thickness insulation type RHW-2, offering lower capacitance and higher impedance making it 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 90C UL TC-ER-JP 1000V 90C Flexible VFD Servo Cable, 1000V 105C AWM 1000V WTTC
Temperature	-40°C - +105°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 Submersible Pump (≥AWG14) 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 RHW-2, Wet/Dry
- 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



Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 16 (26/30)					
A2161604	AWG16/04C	12.4	0.490	149	57
AWG 14 (41/30)					
A2161404	AWG14/04C	14.2	0.560	200	80
AWG 12 (65/30)					
A2161204	AWG12/04C	15.6	0.615	262	128
AWG 10 (105/30)					
A2161004	AWG10/04C	17.8	0.700	359	186
AWG 8 (168/30)					
A2160804	AWG8/04C	23.5	0.925	603	295
AWG 6 (266/30)					
A2160604	AWG6/04C	25.7	1.010	763	425
AWG 4 (413/30)					
A2160404	AWG4/04C	29.3	1.155	1,126	632
AWG 2 (665/30)					
A2160204	AWG2/04C	34.2	1.345	1,559	997

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

