LUTZE DRIVEFLEX® XLPE HYDRO PVC, Unshielded

Flexible VFD Cable XHHW-2 for Submersible Pump and Stationary Applications

Application
- Motor cable designed for harsh down-well environments and wet operating conditions
- Motor supply cable to connect power to 3-phase motors, VFDs and servo drives
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Type XHHW-2 insulation offering smaller ODs for submersible pump and special VFD applications
- Compliant with NFPA 79 requirements
- TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp or wet conditions

Characteristics
- Flexible XLPE conductor design
- Water blocking separator tape for increased water ingress protection
- Reduced cable ODs
- High insulation resistance
- Low capacitance cable
- Oil resistant jacket designed for easy stripping
- Non-wicking fillers
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Sunlight resistant
- Flame retardant
- Direct burial

Technical Data

Voltage	600V 90C TC-ER 1000V 90C Flexible VFD Servo Cable 1000V 90C WTTC 1000V 105C AWM (≤ AWG2)
Temperature range	-40°C - +90/105°C static
Bending radius min	4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil Res II
Approvals	UL Type Flexible Motor Supply, Flexible VFD Servo Cable, TC-ER, WTTC, DP-1 (≤ AWG2) Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 AWM 20886 (≤ AWG2) Submersible Pump c(UL) TC, CIC FT4 UL 1277 CE, RoHS, REACH, TSCA

Construction
- AWG conductor
- Class K flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- Thermoset XLPE insulation type XHHW-2, Wet/Dry
- Water blocking separator tape
- Oil resistant PVC jacket
- Black jacket similar to RAL 9005

DRIVEFLEX®

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
A1101404	AWG14/04C (41/30)	11.4	0.450	118	51
A1101204	AWG12/04C (65/30)	12.7	0.500	162	84
A1101004	AWG10/04C (105/30)	15.6	0.615	254	130
A1100804	AWG8/04C (168/30)	20.2	0.795	407	214
A1100604	AWG6/04C (266/30)	23.4	0.920	600	339
A1100404	AWG4/04C (420/30)	27.0	1.060	842	527
A1100204	AWG2/04C (672/30)	31.5	1.240	1,263	874
A1100104	AWG1/04C (840/30)	33.1	1.304	1,505	1,068
A1101/004	1/0/04C (1064/30)	35.6	1.400	1,835	1,363
A1102/004	2/0/04C (1344/30)	38.6	1.520	2,228	1,708
A1103/004	3/0/04C (1664/30)	41.8	1.644	2,651	2,064
A1104/004	4/0/04C (2052/30)	47.9	1.887	3,378	2,606

"Water blocking separator tape reduces the risk of water transmission and wicking through the cable when installed in wet and submerged environments."

Specifications are subject to change without prior notice