

LUTZE DRIVEFLEX® HYDRO XLPE 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
- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Sunlight resistant
- Flame retardant
- Direct burial

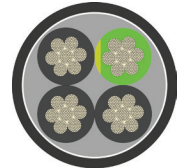
Technical Data

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 RoHS, REACH, TSCA

Construction

- AWG conductor
- 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

Specifications are subject to change without prior notice



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	1263	874
A1100104	AWG1/04C (840/30)	33.1	1.304	1505	1068
A1101/004	1/0/04C (1064/30)	35.6	1.400	1835	1363
A1102/004	2/0/04C (1344/30)	38.6	1.520	2228	1708
A1103/004	3/0/04C (1664/30)	41.8	1.644	2651	2064
A1104/004	4/0/04C (2052/30)	47.9	1.887	3378	2606

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

