LUTZE DRIVEFLEX® XLPE (C) 1 TSP PVC, Shielded

Flexible Composite VFD Cable XHHW-2 with one Control Pair for Stationary Applications

Application
- Dual-shielded motor supply cable to connect power to 3-phase motors, VFDs and servo drives
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Thermoset XLPE insulation offering superior overload and short-circuit temperature
- Type XHHW-2 insulation offering smaller ODs for general 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
- Reduced cable ODs
- High insulation resistance
- Low capacitance cable
- Effective dual layer shield for EMC compliance
- 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
- Talc and silicone free

Technical Data

Voltage	600V 90C TC-ER-JP 1000V 90C Flexible VFD Servo Cable 1000V 90C WTTC 1000V 105C AWM
Temperature range	-40°C - +105°C static
Bending radius min	6 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 Cable, Flexible VFD Servo Cable, TC-ER-JP, WTTC, DP-1 IEC 60332-3-22 Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 AWM 20886 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
  *A1071404R, A1071204R: XHHW-2, THHN (control pair)
- Shielded with foil tape, tinned copper braid with ≥80% optical coverage, and drain wire
- Oil resistant PVC jacket
- Black jacket similar to RAL 9005

DRIVEFLEX®

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
A1071804	AWG18/04C (19/30)+ 1 TSP AWG18 (19/30)	13.3	0.525	156	66
A1071604	AWG16/04C (26/30)+ 1 TSP AWG18 (19/30)	13.9	0.548	179	79
A1071404	AWG14/04C (41/30)+ 1 TSP AWG16 (26/30)	15.2	0.600	234	112
A1071404R	AWG14/04C (41/30)+ 1 TSP* AWG18 (19/30)	13.0	0.510	184	92
A1071204	AWG12/04C (65/30)+ 1 TSP AWG16 (26/30)	16.5	0.650	285	154
A1071204R	AWG12/04C (65/30)+ 1 TSP* AWG18 (19/30)	14.9	0.587	234	128
A1071004	AWG10/04C (105/30)+ 1 TSP AWG14 (41/30)	18.8	0.740	378	216
A1070804	AWG8/04C (168/30)+ 1 TSP AWG14 (41/30)	24.0	0.945	605	314

TSP = Twisted Shielded Pair

"Small diameter general purpose VFD cable for applications with space restrictions such as conduit installations".
Meets NFPA 79, article 4.4.2.8.