



# DRIVEFLEX® XLPE VFD Cable



LUTZE DRIVEFLEX® is ideal for use with any Variable Frequency Drives and servo drive and motor combination for stationary applications. AutomationDirect is proud to offer the full line of DRIVEFLEX® cable from 18AWG up to 8AWG. This cable is available in bulk lengths starting as low as 10ft up to over 1000 feet for most part numbers.

DRIVEFLEX® is rated Tray Cable - Exposed Run (TCER-JP) meaning that it can be used with or without conduit, making the installations more cost-effective by reducing the cost of labor and materials. The XHHW-2 jacket is oil and sunlight resistant and suitable for dry, damp, wet and direct burial locations. Carrying multiple approvals and ratings, LUTZE DRIVEFLEX® cable can be used for most all stationary drive and motor application.

## Features

- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- Black with white numbers and one green/yellow ground
- Thermoset XLPE insulation type XHHW-2, Wet/Dry
- Shielded with tinned copper braid with 85% optical coverage, and drain wire
- Type XHHW-2 insulation offering smaller ODs for general VFD applications
- TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments
- Sunlight resistant
- Direct burial
- Talc and silicone free
- Black jacket similar to RAL 9005
- Cut to length in 1 foot increments
- Minimum cut lengths as low as 10 feet\*
- Made in USA



*Please Note: Our prices on Servo Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.*



Click on the above thumbnail or go to <https://www.automationdirect.com/VID-WD-0016> for a short introduction on our cut to length cable







DRIVEFLEX® XLPE VFD Cable Specifications			
<b>Conductors Gauge &amp; Stranding</b>	18AWG (19 Strands) to 8AWG (168 Strands), tinned Copper	<b>Approvals**</b>	UL Type Flexible Motor Supply Flexible VFD Servo Cable, TC-ER-JP WTTC DP-1 Meets NEC 336, 392 Class I & 11, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 AWM 20886 Submersible Pump (≥AWG14) c(UL)TC CIC FT4 UL 1277
<b>Shield</b>	Foil tape, tinned copper braid with 80% optical coverage, and drain wire		
<b>Voltage Rating</b>	600V UL TC ER JP 600V UL MTW 1000V WTTC 1000V Flexible Motor Supply 1000V UL AWM 105C		
<b>Outer Jacket Material</b>	Thermoset XLPE		
<b>Outer Jacket Color</b>	Black with white print	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# A106XXXX DRIVEFLEX® AWGXX-XX XHHW-2 -- E352875 FLEXIBLE VFD SERVO CABLE 90C WET OR DRY 1000V OR WTTC 1000V 90C DRY OR (UL) TYPE TC-ER-JP 90C 600V SUN RES DIR BUR OIL RES II OR DP-1 OR SUBERMSIBLE PUMP CABLE OR AWM 105C 1000V OR c(UL) TYPE CIC CONTROL XLPE FT4 SHIELDED -- CE ROHS CE-46 1421 MADE IN USA xxxxxFT
<b>Temperature Ratings</b>	-40°F to +221°F (-40°C to +105°C)		
<b>Conductor Insulation</b>	Black with white numbers and one green/yellow ground Thermoset XLPE insulation		

\* See web store for minimum and maximum cut lengths

\*\* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at [www.AutomationDirect.com](http://www.AutomationDirect.com)



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VFD 4-Conductor Cable Selection															
Part Number	Number of Conductors (includes ground)	AWG	Conductor OD inches	Strand	Power Conductors (AWG)	Ground (AWG)	Minimum Cut Length (ft)	Nom. Insulation Thickness PVC/Nylon (mils)	Nominal Jacket Thickness (mils)	Nominal OD inches	*Ampacity NEC 310.16 Amps		Min. Bend Radius inches	Approximate Weight (lb/ft)	Price per foot
											75°C	90°C			
															
<a href="#">A1061804-1</a>	4	18	0.112	19/30	18	18	20	0.032	45	0.415	7	14	2.5	0.124	\$3.04
															
<a href="#">A1061604-1</a>	4	16	0.123	26/30	16	16	20	0.032	60	0.425	10	18	2.6	0.159	\$3.39
															
<a href="#">A1061404-1</a>	4	14	0.138	41/30	14	14	20	0.032	60	0.456	15	20	2.7	0.214	\$4.01
															
<a href="#">A1061204-1</a>	4	12	0.160	65/30	12	12	20	0.032	60	0.510	25	30	3.1	0.321	\$5.19
															
<a href="#">A1061004-1</a>	4	10	0.194	105/30	10	10	20	0.032	80	0.650	35	40	3.9	0.490	\$8.42
															
<a href="#">A1060804-1</a>	4	8	0.268	168/30	8	8	20	0.032	80	0.810	50	55	4.9	0.490	\$12.81

\* Ampacity based on NFPA 79 12.5.1 up to and including 2000 volts, not more than 3 current-carrying conductors, ambient 86°F (30°C)  
 All dimensions are nominal and subject to normal manufacturing tolerances.



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DRIVEFLEX® XLPE VFD Cable Specifications Continued						
Part Number	Nom. Capacitance Conductor to Shield (pF/ft.)	Nom. Capacitance Conductor to Conductor (pF/ft.)	Nom. Conductor DC Resistance @ 20°C (Ohm/1000 ft.)	Nominal Outer Shield DC Resistance @ 20°C (Ohm/1000 ft.)	Impedance (ohms)	Max. Operating Voltage - UL
<b><u>A1061804-1</u></b>	21.9	38.4	6.2	2.6	90.2	1000V
<b><u>A1061604-1</u></b>	24.0	43.3	4.16	2.4	81.6	1000V
<b><u>A1061404-1</u></b>	26.0	42.7	2.82	1.8	69.1	1000V
<b><u>A1061204-1</u></b>	29.0	52.50	1.77	1.0	49.0	1000V
<b><u>A1061004-1</u></b>	29.2	48.0	1.110	0.8	40.9	1000V
<b><u>A1060804-1</u></b>	26.2	45.0	0.7	0.8	52.4	1000V



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