

# Technical data sheet - Flexible VFD Cable XHHW-2 with one Control Pair and UL Approval



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

<b>Identification</b>	Type	DR XLPE (C) 1TSP PVC (4GA-WG12+1x2xAWG16)
	Part-No.	A1071204

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Shielded motor supply cable to connect power to 3-phase motors. VFD's and Servo Drives</li> <li>• Cable design for harsh industrial environments and operating conditions with high noise levels</li> <li>• Thermoset XLPE offering superior overload and short-circuit temperature</li> <li>• Type XHHW-2 insulation offering smaller ODs for general VFD applications</li> <li>• Compliant with NFPA 79 for wiring of industrial machinery</li> <li>• TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments per NEC 336.10 (7)</li> <li>• WTTC - wind turbine tray cable rating for use in wind power generation</li> <li>• Dry, damp or wet conditions</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Flexible XLPE conductor design</li> <li>• Reduced cable ODs</li> <li>• High insulation resistance</li> <li>• Low capacitance cable</li> <li>• Effective dual layer shield for EMC compliance</li> <li>• Specially formulated jacket for oil resistance and easy strip</li> <li>• Crush impact resistant</li> <li>• Gas/vapor-tight sheath per UL 1277</li> <li>• Sunlight resistant</li> <li>• Flame retardant</li> <li>• Direct burial</li> <li>• Talc and Silicone free</li> </ul>

## Construction

Description	DRIVEFLEX® XLPE (C) 1 TSP PVC
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26.11.2018 – Subject to technical modification

Part-No. A1071204

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Number of conductors/cross-section	(4xAWG12+1x2xAWG16)
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	16.5 mm
Outer Ø	0.65 inches
Weight	285 Lbs/Mft
Cu-Index	154 Lbs/Mft

## Element 1

Element construction	65/30
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black with white number print green/yellow
Conductor insulation	XLPE XHHW-2 Wet/Dry

## Element 2

Element construction	26/30
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	black with white number print
Conductor insulation	XLPE XHHW-2 Wet/Dry
Stranding	conductors stranded in pairs

## overall construction

Drain wire	CU-wire tin-plated
Overall shield	Foil shield Braid shield Tinned copper wires optical cover approx. 80%
Jacket characteristics	Oil resistant Silicone-free

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SYSTEMATIC TECHNOLOGY

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Rated voltage $U_N$	600 V 90C UL TC-ER-JP 1000 V Flexible VFD servo cable 90C Cable, 1000 V 105C AWM 1000 V WTTC
Temperature range fixed	-40 °C ... +90 °C
Bending radius	6 x D

## Element 1

Element construction	65/30
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## Element 2

Element construction	26/30
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## Approvals/Standards

Approvals	UL Flexible Motor Supply Cable Flexible VFD Servo Cable cULus TC-ER WTTC UL DP-1 Meets NEC 336,392 Class I & II, Div. 2 501, 502, 505 cUL TC CIC FT4 UL 1277 cURus
UL style	AWM 20886
Conformity	CE RoHS REACH
Oil resistant according to	Oil Res I Oil Res II

## General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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## Symbols



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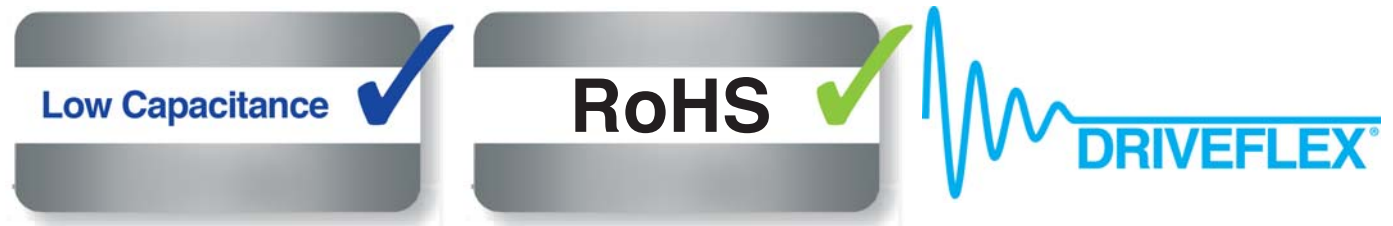
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