

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



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

Identification	Type	DR XLPE (C) 1TSP PVC (4GA-WG16+1×2×AWG18)
	Part-No.	A1071604
Use/Application/Characteristics		
Application	• Shielded motor supply cable to connect power to 3-phase motors. VFD's and Servo Drives • Cable design for harsh industrial environments and operating conditions with high noise levels • Thermoset XLPE offering superior overload and short-circuit temperature • Type XHHW-2 insulation offering smaller ODs for general VFD applications • Compliant with NFPA 79 for wiring of industrial machinery • TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments per NEC 336.10 (7) • WTTC - wind turbine tray cable rating for use in wind power generation • Dry, damp or wet conditions	
Characteristics	• Flexible XLPE conductor designReduced cable ODsHigh insulation resistance • Low capacitance cableEffective dual layer shield for EMC complianceSpecially formulated jacket for oil resistance and easy strip Crush impact resistantGas/vapor-tight sheath per UL 1277Sunlight resistant • Flame retardantDirect burialTalc and Silicone free	
Construction		
Description	DRIVEFLEX® XLPE (C) 1 TSP PVC	

26.11.2018 – Subject to technical modification

Part-No. A1071604

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Number of conductors/cross-section	(4×AWG16+1×2×AWG18)
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	13.9 mm
Outer Ø	0.548 inches
Weight	179 Lbs/Mft
Cu-Index	79 Lbs/Mft

Element 1

Element construction	26/30
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	19/30
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 × D

Element 1

Element construction	26/30
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Element 2

Element construction	19/30
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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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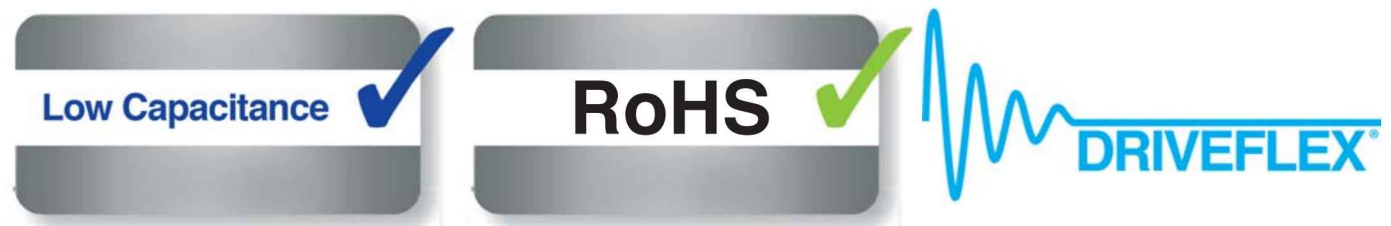
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