

Technical data sheet · LÜTZE DRIVEFLEX XLPE (C) PVC

With approvals for North America according to NEC, NFPA 79 and UL 508A



PVC motor, servo and frequency converter cables shielded

Identification	Type	DR XLPE (C) PVC (4×AWG6)
	Part-No.	A2160604
Use/Application/Characteristics		
Application	• Shielded motor connection cable, especially for connecting motors to frequency converters • Flexible design for easy installation • Compliant with NFPA 79 standards • Low capacitance and high dielectric strength for long cable lengths from inverter to motor • In dry and moist rooms • Especially for industrial environments in mechanical and system engineering • „TC-ER“ for use in machines and open cable ducts • Flexible Motor Supply (Flexible VFD & Servo) for connection to electrical drives • „WTTC“ Wind Turbine Tray Cable for use in wind turbines	
Characteristics	• Special XLPE insulation with low capacitance • High dielectric strength • Effective EMC-compatible shielding thanks to 2-layer shield • PVC outer jacket, easy to strip • Sunlight-resistant • „Direct burial“ for installation in the ground • Silicone free • RoHS compliant	
Construction		

14.08.2018 – Subject to technical modification

Part-No. A2160604

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SYSTEMATIC TECHNOLOGY

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Description	DRIVEFLEX® XLPE (C) PVC
Number of conductors/cross-section	(4GAWG6)
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	25.7 mm
Outer Ø	1.01 inches
Weight	113.5 kg/100 m
Weight	763 Lbs/Mft
Cu-Index	425 Lbs/Mft

Element 1

Element construction	AWG6/4C
Conductor construction	AWG 6 (266/30)
Conductor	AWG conductor CU-wire tin-plated
Conductor category	fine wire
Conductor marking	black with white number print green/yellow
Conductor insulation	XLPE RHW-2

overall construction

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

Technical data

Rated voltage U_N	600 V TC-ER 1000 V Flexible VFD servo cable 90C 1000 V WTTC
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

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Element construction	AWG6/4C
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Approvals/Standards

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Approvals	cULus TC-ER UL DP-1 WTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277 Wet/Dry P-07-KA130021-MSHA
Conformity	CE RoHS REACH
Oil resistant according to	Oil Res II

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC
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Symbols



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