

ÖLFLEX® VFD 2XL

Multi-listed, flexible VFD cable

ÖLFLEX® VFD 2XL - screened VFD cable for fixed installation or occasional flexing with UL TC-ER.

Info

VFD drive and motor connections

Wide application range (NFPA 70/NEC)/ compliance with NFPA 79 for industrial machinery

EMC-compliant



Flame-retardant



Mechanical resistance



Oil-resistant



Interference signals



Benefits

Reduced insulation wall thickness, thus space-saving installation

Multi-standard certification reduces part varieties and saves costs

Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

Low capacitance design enables longer cable connection between frequency converter and motor

UL TC-ER and c(UL) CIG/TC approved

Application range

Connecting cable between Frequency converter and motor

For fixed installation or applications with occasional movements

Last Update (14.07.2025)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Class 1 Division 2 per NEC Articles 336, 501
Plant engineering
Industrial machinery and machine tools

Product features

Oil-resistant according to UL OIL RES I & II
Flame-retardant according to CSA FT4
UL Vertical-Tray Flame Test
90°C Wet or Dry; -40°C Cold Bend; -25°C Cold Impact
Sunlight Resistant; Direct Burial

Norm references / Approvals

UL TC-ER (exposed run) per UL 1277
Class 1 Division 2 per NEC Articles 336, 501
Flexible Motor Supply Cable per UL 2277
c(UL) CIC/TC FT4; cRU AWM I/II A/B FT4
CE (50V - 1kV)

Product Make-up

Fine-wire, tinned-copper conductor
Core insulation: XLPE
Aluminum-coated foil
Screening: wrapped with braided tinned-copper wires
Outer sheath: Specially formulated thermoplastic elastomer (TPE), black

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 Class-Description: Low voltage power cable
Core identification code:	Black with white numbers
Certifications:	USA: UL TC-ER, WTTTC, Flexible Motor Supply Canada: c(UL) CIC/TC FT4, cRU AWM I/II A/B FT4
Conductor stranding:	Fine wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 7.5 x outer diameter
Nominal voltage:	UL TC: 600V/2000V UL Flexible Motor Supply: 1000V c(UL) CIC/TC: 600V cRU AWM: 1000V IEC U0/U: 600/1000 V
Test voltage:	6000 V
Protective conductor:	G = with GN-YE protective conductor
Temperature range:	Occasional flexing: -25°C to +90°C Fixed installation: -40°C to +90°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon

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request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 610 m drum or 8 x 76 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm ² /AWG sizes per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
700700	4 G 1,5	12.9	104.16	238
700701	4 G 2,5	14.8	148.8	292
700702	4 G 4	16.7	214.272	384
700703	4 G 6	18.0	296.112	476
700704	4 G 10	22.5	443.424	856
700705	4 G 16	25.9	770.784	1317
700706	4 G 4AWG	29.4	955.296	1570
700707	4 G 2AWG	33.8	1,458.24	2173

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