

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) C1C/TC approved

Application range

Connecting cable between Frequency converter and motor

For fixed installation or applications with occasional movements

Last Update (23.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® VFD 2XL

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

Last Update (23.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® VFD 2XL

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.

ÖLFLEX® VFD 2XL

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

ÖLFLEX® VFD 2XL

