

## ÖLFLEX® VFD 2XL with Signal

Multi-listed, flexible VFD cable with a pair for brake or temperature sensor

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

One common cable for multiple circuits

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

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® VFD 2XL with Signal

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  
Control pair with laminated aluminium film and tin-plated drain wire  
Barrier tape  
Aluminum-coated foil  
Tinned-copper braiding with drain wire  
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

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### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  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 <sup>2</sup> /AWG sizes per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
700710	4 G 1,5 + (2 x 1,0)	16.6	135.408	298
700711	4 G 2,5 + (2 x 1,0)	17.4	196.416	375
700712	4 G 4 + (2 x 1,0)	19.1	238.08	438
700713	4 G 6 + (2 x 1,0)	20.3	319.92	527
700714	4 G 10 + (2 x 2,5)	25.0	496.992	1027
700715	4 G 16 + (2 x 2,5)	28.2	749.952	1347
700716	4 G 4AWG + (2 x 2,5)	32.0	992.496	1674
700717	4 G 2AWG + (2 x 2,5)	35.6	1,528.176	2351

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