

ÖLFLEX® VFD 2XL with Signal

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

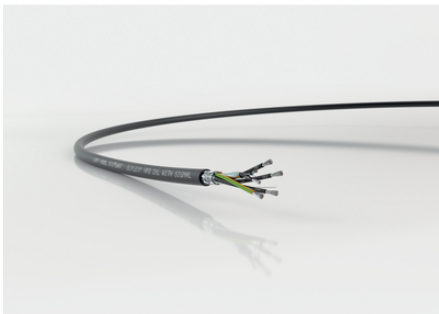
ÖLFLEX® VFD 2XL - screened VFD cable for fixed installation or occasional flexing with UL TC-ER.

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

Last Update (06.06.2023)

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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
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

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 ² /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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