



## ÖLFLEX® VFD 2XL with Signal

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



**Info**

- VFD drive and motor connections
- Wide application range (NFPA 70/NEC)/ compliance with NFPA 79 for industrial machinery
- EMC-compliant

**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)
- Longer cable connection possible between frequency converter and motor due to low capacitance design
- UL TC-ER and c(UL) CIC/TC approved

**Application range**

- Connecting cable between Frequency converter and motor
- For fixed installation or applications with occasional movements
- 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
- 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 5/6**  
ETIM 5.0/6.0 Class-ID: EC000057  
ETIM 5.0/6.0 Class-Description: Low voltage power cable

**Core identification code**  
Black with white numbers

**Certifications**  
USA: UL TC-ER, WTTCC, 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

Article number	Number of cores and mm <sup>2</sup> /AWG sizes per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® VFD 2XL with Signal</b>				
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	1528.176	2351

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 ≤ 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.

**Similar products**

- ÖLFLEX® SERVO 719 CY refer to page 100
- ÖLFLEX® TRAY II CY refer to page 58

**Accessories**

- SKINTOP® BRUSH ADD-ON refer to page 700
- SKINTOP® MS-SC-M refer to page 701
- SKINTOP® MS-M BRUSH refer to page 702