

Servo applications • TPE sheath, certified



ÖLFLEX® VFD 2XL

Multi-listed, flexible VFD cable



Info

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

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)
- 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
- Aluminum-coated foil
- Screening: wrapped with braided tinned-copper wires
- 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 ² /AWG sizes per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® VFD 2XL				
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	1458.24	2173

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 ≤ 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