



ÖLFLEX® FD 90 CY

Screened single core, PVC-insulated, PVC sheath, approved

LAPP KABEL STUTTGART ÖLFLEX® FD 90 CY DESINA® CE



Info

- Core Line for ordinary duty in power chain applications
- EMC-compliant

Benefits

- Multi-standard = fewer part varieties = cost savings
- Easy to install
- For various applications

Application range

- In power chains or moving machine parts
- For internal wiring of electric and electronic equipment in switch cabinets
- Specially designed for power circuits of servomotors driven by frequency converters
- This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
- Test systems in the automotive industry, vehicles and stationary fuel cell systems

Product features

- Low-adhesive surface
- Flame-retardant according to IEC 60332-1-2 & CSA FT 1
- High oil-resistance
- Designed for 2 up to 8 million bending/unbending cycles in power chain applications.
- UL File Nr. E63634

Norm references / Approvals

- UL-AWM-Style 10107, cRU AWM II A/B FT 1 ≥ 150mm²
- CSA AWM IA/B IIA/B FT 1 ≤ 120mm²
- Based on VDE 0250 / 0285
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Non-woven wrapping
- Core insulation: PVC
- Tinned-copper braiding
- Non-woven wrapping
- PVC outer sheath, orange (RAL 2003)

Technical data

- Classification**
ETIM 5.0 Class-ID: EC000057
ETIM 5.0 Class-Description: Low voltage power cable
- Core identification code**
Black, other colours are available upon request
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
- Minimum bending radius**
For flexible use:
7.5 x outer diameter
Fixed installation: 3 x outer diameter
- Nominal voltage**
IEC: 600/1000 V
UL & CSA: 600 V
- Test voltage**
4000 V
- Protective conductor**
X = without protective conductor
- Temperature range**
Flexing: -5°C to +90°C
Fixed installation: -40°C to +90°C

Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026651	10	9.7	127.6	227
0026653	16	11.2	186.2	297
0026655	25	12.5	257.8	410
0026657	35	15.1	400.7	607
0026659	50	17.1	554.8	808
0026661	70	19.4	775.6	1081
0026663	95	20.9	1,028.1	1382
0026665	120	24.5	1,282.4	1752
0026667	150	26.2	1,410.4	1924
0026669	185	29.2	1,935.0	2611
0026671	240	32.9	2,526.0	3372
0026673	300	34.8	3,128.8	4105

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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 500 m drum or 5 x 100 m coils).

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Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M BRUSH refer to page 675
- SILVYN® CHAIN cable protection and guiding systems