



ÖLFLEX® FD 90

PVC-insulated, PVC sheath, single core, approved



Info

- Core Line for ordinary duty in power chain applications
- Well-proven and reliable

Benefits

- Multi-standard = fewer part varieties = cost savings
- Easy to install
- Multifunctional application possibilities
- Also suitable for mobile outdoor use

Application range

- In power chains or moving machine parts
- For internal wiring of electric and electronic equipment in switch cabinets
- This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
- Specially designed for power circuits of servomotors driven by frequency converters
- 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
- PVC outer sheath, black (RAL 9005)

Technical data

Classification
ETIM 5.0 Class-ID: EC000057
ETIM 5.0 Class-Description: Low voltage power cable

Core identification code
Black or green-yellow, other colours available on 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
Flexing: 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
G = with PE conductor
X = without PE jacket

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)	Core colour	Copper index (kg/km)	Weight (kg/km)
0026600	10.0	9.0	green-yellow	96.0	176
0026601	10.0	9.0	black	96.0	176
0026603	16.0	10.5	green-yellow	153.6	240
0026604	16.0	10.5	black	153.6	240
0026607	25.0	11.8	green-yellow	240.0	361
0026608	25.0	11.8	black	240.0	361
0026610	35.0	14.2	green-yellow	336.0	482
0026611	35.0	14.2	black	336.0	482
0026613	50.0	16.2	green-yellow	480.0	660
0026614	50.0	16.2	black	480.0	660
0026616	70.0	18.3	green-yellow	672.0	898
0026617	70.0	18.3	black	672.0	898
0026619	95.0	19.8	green-yellow	912.0	1179
0026620	95.0	19.8	black	912.0	1179
0026622	120.0	23.4	green-yellow	1,152.0	1521
0026623	120.0	23.4	black	1,152.0	1521
0026625	150.0	25.1	green-yellow	1,440.0	1739
0026626	150.0	25.1	black	1,440.0	1739
0026628	185.0	28.1	green-yellow	1,776.0	2305
0026629	185.0	28.1	black	1,776.0	2305
0026634	240.0	31.6	green-yellow	2,304.0	2944
0026635	240.0	31.6	black	2,304.0	2944
0026640	300.0	33.5	green-yellow	2,880.0	3545
0026641	300.0	33.5	black	2,880.0	3545

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 T 17 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).
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SILVYN® CHAIN cable protection and guiding systems