

ÖLFLEX® FD CLASSIC 810 P

PVC insulated, numbered, PUR sheath



Info

- Abrasion and cut resistant



Benefits

- Well-proven, reliable
- Wide range use

Application range

- In power chains or moving machine parts
- Especially in wet areas of machine tools and transfer lines subject to average mechanical stress
- Mechanical engineering
- Use in measuring, control and regulating circuits
- Power circuits for electrical equipment in automation engineering

Product features

- Low adhesive surface
- Oil resistant
- Flame retardant (IEC 60332-1-2)

- In dry, damp or wet interiors under medium mechanical load conditions
- Designed for up to 5 million bending change cycles in the power chain

Approvals (Norm references)



- For travel distances up to 10 m.
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: PVC
- Cores twisted in short lay lengths
- Nonwoven wrapping
- Polyurethane sheath (PUR), grey (RAL 7001)

Technical data

- Core identification code**
Black with white numbers acc. to VDE 0293
- Based on**
Cores acc. to VDE 0245 / 0281
Sheath in accordance with VDE 0245/0282
- 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 applications: 7.5 x outside diameter
Static:
4 x cable diameter
- Rated voltage**
U₀/U:
300/500 V
- Test voltage**
4000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Range of temperature**
Flexing: -5°C up to +70°C
Fixed installation: -40°C up to +80°C

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® FD CLASSIC 810 P				
0026300	2 X 0.5	5.8	10.0	36
0026301	3 G 0.5	6.2	15.0	44
0026302	4 G 0.5	6.8	19.0	53
0026303	5 G 0.5	7.3	24.0	62
0026304	7 G 0.5	8.5	34.0	82
0026305	12 G 0.5	10.0	58.0	129
0026306	18 G 0.5	12.0	86.4	185
0026319	2 X 0.75	6.2	15.0	44
0026320	3 G 0.75	6.7	22.0	55
0026321	4 G 0.75	7.3	29.0	67
0026322	5 G 0.75	7.9	37.0	80
0026323	7 G 0.75	9.4	51.0	109
0026324	12 G 0.75	11.2	87.0	172
0026326	18 G 0.75	13.3	130.0	247
0026327	25 G 0.75	15.9	181.0	346
0026330	2 X 1	6.6	20.0	52
0026331	3 G 1	7.1	29.0	66
0026332	4 G 1	7.8	39.0	82
0026333	5 G 1	8.5	48.0	97
0026334	7 G 1	10.1	67.0	117
0026335	12 G 1	12.0	115.0	211
0026338	18 G 1	14.5	173.0	310
0026339	25 G 1	17.8	240.0	426
0026341	34 G 1	19.6	326.4	571
0026342	41 G 1	21.2	394.0	684
0026343	50 G 1	22.9	480.0	822
0026344	65 G 1	26.2	624.0	1,058

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0026349	2 X 1.5	7.3	29.0	68
0026350	3 G 1.5	7.9	43.2	86
0026351	4 G 1.5	8.6	58.0	106
0026352	5 G 1.5	9.6	72.0	131
0026353	7 G 1.5	11.5	101.0	178
0026354	12 G 1.5	13.5	173.0	281
0026355	16 G 1.5	15.2	230.0	365
0026356	18 G 1.5	16.3	259.0	411
0026357	25 G 1.5	20.0	360.0	571
0026359	34 G 1.5	21.7	489.6	753
0026361	42 G 1.5	23.6	629.0	919
0026362	50 G 1.5	25.6	720.0	1,093
0026370	3 G 2.5	9.5	72.0	135
0026371	4 G 2.5	10.5	96.0	168
0026372	5 G 2.5	11.8	120.0	206
0026373	7 G 2.5	14.2	168.0	286
0026374	12 G 2.5	16.7	288.0	453
0026375	14 G 2.5	17.9	336.0	525
0026381	4 G 4	12.3	160.0	252
0026382	5 G 4	13.7	200.0	309
0029200	1 G 6	6.7	60.0	84
0026383	4 G 6	14.7	230.0	377
0029210	1 G 10	8.0	100.0	141
0026385	4 G 10	18.3	384.0	614
0026386	5 G 10	20.3	480.0	751
0029220	1 G 16	9.5	160.0	198
0026387	4 G 16	21.7	615.0	851

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis‘ and ‚Metal index‘ see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Comparable products

- ÖLFLEX® FD 855 P see page 119
- ÖLFLEX® SERVO FD 785 P see page 103
- ÖLFLEX® FD 891 P see page 129

Accessories

- SILVYN® CHAIN Cable protection and guiding systems