

ÖLFLEX® FD CLASSIC 810 CY

Screened, PVC insulated, numbered, PVC- inner- and outer sheath



Info

- Bestseller among the FD- power chain cables
- Well-proven, reliable
- EMC conform

Application range

- In power chains or moving machine parts
- Use in measuring, control and regulating circuits
- Power circuits for electrical equipment in automation engineering
- Assembly lines, production lines, in all kinds of machines
- Mechanical and plant engineering and construction

Product features

- Low adhesive surface
- Flame-retardant acc. to IEC 60332-1-2
- In damp and wet rooms
- Designed for up to 5 million bending change cycles in the power chain
- Outdoor use only with UV protection and in accordance with the temperature range.

Approvals (Norm references)



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

Product Make-up

- Extra fine strands of plain copper wires
- Core insulation: PVC
- Cores twisted in layers with short lay lengths
- PVC inner sheath
- Screen made of tinned copper wire braid
- Nonwoven wrapping
- PVC outer sheath, grey (RAL 7001)

Technical data

- Core identification code**
black with white numbers acc. to VDE 0293
- Based on**
Core in accordance with VDE 0245/0281
Sheath in accordance with VDE 0245/0281
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Extra fine wire in acc. to VDE 0295 Cl.6/IEC 228 Cl.6
- Minimum bending radius**
For flexible applications: 7.5 x outside diameter
Static:
4 x cable diameter
- Rated voltage**
300/500 V
- Test voltage**
4000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Range of temperature**
Flexing: 0 °C to +70 °C
fixed installation: -40 °C to +80 °C

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® FD CLASSIC 810 CY				
0026200	2 X 0.5	7.4	33.0	74
0026201	3 G 0.5	7.8	39.0	84
0026202	4 G 0.5	8.4	46.0	98
0026203	5 G 0.5	8.9	54.0	110
0026204	7 G 0.5	10.3	70.0	143
0026205	12 G 0.5	11.9	100.0	201
0026206	18 G 0.5	14.0	153.0	287
0026207	25 G 0.5	17.2	202.0	394
0026208	30 G 0.5	17.2	228.0	432
0026219	2 X 0.75	7.8	39.0	85
0026220	3 G 0.75	8.3	48.0	99
0026221	4 G 0.75	8.9	59.0	116
0026222	5 G 0.75	9.5	69.0	133
0026223	7 G 0.75	11.3	90.0	178
0026224	12 G 0.75	13.0	129.0	253
0026226	18 G 0.75	15.5	205.0	368
0026227	25 G 0.75	18.7	271.0	496
0026229	30 G 0.75	18.7	320.0	549
0026230	2 X 1	8.2	46.0	97
0026231	3 G 1	8.7	57.0	114
0026232	4 G 1	9.4	70.0	134
0026233	5 G 1	10.3	81.0	159
0026234	7 G 1	12.0	110.0	207
0026235	12 G 1	14.0	182.0	314

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0026238	18 G 1	16.8	254.0	443
0026239	25 G 1	20.2	365.0	612
0026240	26 G 1	20.2	374.0	625
0026241	34 G 1	22.1	463.0	787
0026242	41 G 1	23.8	542.0	918
0026243	50 G 1	26.1	640.0	1,120
0026249	2 X 1.5	8.9	58.0	117
0026250	3 G 1.5	9.5	75.0	139
0026251	4 G 1.5	10.4	91.0	169
0026252	5 G 1.5	11.5	112.0	201
0026253	7 G 1.5	13.3	145.0	262
0026254	12 G 1.5	15.8	247.0	404
0026255	16 G 1.5	17.5	314.0	503
0026256	18 G 1.5	18.5	348.0	560
0026257	25 G 1.5	22.5	498.0	793
0026259	34 G 1.5	24.5	700.0	1,005
0026270	3 G 2.5	11.4	119.0	207
0026271	4 G 2.5	12.4	161.0	247
0026272	5 G 2.5	13.8	194.0	307
0026273	7 G 2.5	16.5	262.0	418
0026281	4 G 4	14.3	238.0	360
0026282	5 G 4	16.0	280.0	436
0026283	4 G 6	16.8	318.0	514
0026285	4 G 10	20.8	521.0	824
0026287	4 G 16	23.8	780.0	1,207

Copper price basis: EUR 150 / 100 kg
 Our standard lengths, please visit: 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 CLASSIC 810 CP see page 121
- ÖLFLEX® FD 820 CH see page 119

Accessories

- SKINTOP® MS-SC-M see page 568
- SILVYN® CHAIN Cable protection and guiding systems

