

## ÖLFLEX® CLASSIC FD 810 CY

Highly flexible, screened control cable with PVC core insulation and PVC inner and outer sheath

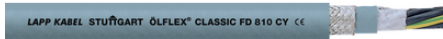
ÖLFLEX® CLASSIC FD 810 CY - Screened power and control cable for versatile use in power chains

### Info

Core Line for ordinary duty in power chain applications

The classic for multi-functional use

EMC-compliant



Interference signals



Power chain

### Benefits

Well-proven and reliable

Cost-effective solution

Additional robustness thanks to inner sheath

Copper screening complies with EMC requirements and protects against electromagnetic interference

### Application range

In power chains or moving machine parts

Suitable for use in measuring, control and regulating circuits

Power circuits for electrical equipments used in automation engineering

Assembly lines, production lines, in all kinds of machines

Only for outdoor use within the indicated operating temperature range, with UV-protection

## ÖLFLEX® CLASSIC FD 810 CY

### Product features

Designed for 5 million alternating bending cycles and travel distances up to 10 meter  
Flame-retardant according IEC 60332-1-2  
Low-adhesive surface  
EMC-compliant

### Norm references / Approvals

Core based on VDE 0245/0285  
Outer sheath based on VDE 0245/0285  
For use in power chains: Please comply with assembly guideline Appendix T3

### Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)  
Core insulation: PVC  
Cores twisted in layers in short lay lengths  
PVC inner sheath, grey  
Tinned-copper braiding  
Non-woven wrapping  
PVC outer sheath, grey (similar RAL 7001)

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Conductor stranding:	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
Minimum bending radius:	For flexible use: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: 0°C to +70°C Fixed installation: -40°C to +80°C
Bending cycles & operation parameters:	5 mio. cycles

### Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil  $\leq$  30 kg or  $\leq$  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.  
Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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0026200	2 X 0.5	6.9	33	74
0026201	3 G 0.5	7.3	39	84
0026202	4 G 0.5	7.9	46	98
0026203	5 G 0.5	8.4	54	110
0026204	7 G 0.5	9.8	70	143
0026205	12 G 0.5	11.3	100	201
0026206	18 G 0.5	13.4	153	287
0026207	25 G 0.5	15.9	202	394
0026208	30 G 0.5	16.5	228	432
0026219	2 X 0.75	7.3	39	85
0026220	3 G 0.75	7.8	48	99
0026221	4 G 0.75	8.4	59	116
0026222	5 G 0.75	9	69	133
0026223	7 G 0.75	10.7	90	178
0026224	12 G 0.75	12.4	129	253
0026226	18 G 0.75	14.9	205	368
0026227	25 G 0.75	17.4	271	496
0026229	30 G 0.75	18	320	549
0026230	2 X 1	7.7	46	97
0026231	3 G 1	8.2	57	114
0026232	4 G 1	8.9	70	134
0026233	5 G 1	9.8	81	159
0026234	7 G 1	11.4	110	207
0026235	12 G 1	13.4	182	314
0026238	18 G 1	16.1	254	443
0026239	25 G 1	18.8	365	612
0026240	26 G 1	18.8	374	625
0026241	34 G 1	21.5	463	787
0026242	41 G 1	23.2	542	918
0026243	50 G 1	25.3	640	1120
0026249	2 X 1.5	8.4	58	117
0026250	3 G 1.5	9	75	139
0026251	4 G 1.5	9.9	91	169

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Product Management [www.lappkabel.de](http://www.lappkabel.de)You can find the current technical data in the corresponding data sheet.  
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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0026252	5 G 1.5	10.9	112	201
0026253	7 G 1.5	12.7	145	262
0026254	12 G 1.5	15.1	247	404
0026255	16 G 1.5	16.8	314	503
0026256	18 G 1.5	17.8	348	560
0026257	25 G 1.5	21.2	498	793
0026259	34 G 1.5	23.9	700	1005
0026270	3 G 2.5	10.8	119	207
0026271	4 G 2.5	11.8	161	247
0026272	5 G 2.5	13.2	194	307
0026273	7 G 2.5	15.8	262	418
0026281	4 G 4	13.7	238	360
0026282	5 G 4	15.3	280	436
0026283	4 G 6	16.1	318	514
0026285	4 G 10	20.2	521	824
0026287	4 G 16	23.6	780	1207

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