

ÖLFLEX® CLASSIC FD 810



Highly flexible control cable with PVC core insulation and PVC sheath

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

Info

Core Line for average duty power chain applications

The classic for multi-functional use



Power chain

Benefits

Tried-and-tested and reliable

Cost-effective version

Low particle emission in flexing chain applications

Application range

In power chains or mobile machine parts

Suitable for use in measuring, control and regulating circuits

Assembly and production lines, in all kinds of machines

In damp or wet interiors

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

Product features

Designed for 5 million alternating bending cycles and travel distances up to 10 metres

Flame-retardant according to IEC 60332-1-2

Low-adhesive surface

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Norm references / approvals

Core based on VDE 0245/0285

Sheath based on VDE 0245/0285

Clean room classification for individual items on request

For use in power chains: Please comply with assembly guideline appendix T3

Design

Extra-fine wire strand made of bare copper wires (class 6)

Core insulation: PVC

Cores twisted in layers with short lay lengths

Fleece wrapping

PVC sheath, grey (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 design:	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: 4 x outer diameter
Nominal voltage:	U ₀ /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
Alternating bending cycles:	5 million cycles

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

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PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0026100	2 X 0.5	5.3	10	40
0026101	3 G 0.5	5.7	15	48
0026102	4 G 0.5	6.3	19.2	58
0026103	5 G 0.5	6.8	24	67
0026104	7 G 0.5	8	34	88
0026105	12 G 0.5	9.5	58	136
0026106	18 G 0.5	11.4	86.4	195
0026107	25 G 0.5	13.7	120	274
0026108	30 G 0.5	14.3	144	312
0026109	34 G 0.5	15.6	164	359
0026110	50 G 0.5	18.5	240	515
0026119	2 X 0.75	5.7	15	49
0026120	3 G 0.75	6.2	22	60
0026121	4 G 0.75	6.8	29	73
0026122	5 G 0.75	7.4	37	86
0026123	7 G 0.75	8.9	51	117
0026124	12 G 0.75	10.6	87	181
0026125	16 G 0.75	12	116	234
0026126	18 G 0.75	12.7	130	259
0026127	25 G 0.75	15.2	181	363
0026130	2 X 1	6.1	19	58
0026131	3 G 1	6.6	29	72
0026132	4 G 1	7.3	39	88
0026133	5 G 1	8	48	104
0026134	7 G 1	9.6	67	142
0026135	12 G 1	11.4	115	221
0026136	14 G 1	12.3	134.4	258
0026137	16 G 1	13	153	287
0026138	18 G 1	13.9	173	324
0026139	25 G 1	16.4	240	445
0026140	26 G 1	16.4	249.6	459
0026141	34 G 1	18.9	326.4	595
0026142	41 G 1	20.6	394	712

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0026143	50 G 1	22.3	480	854
0026144	65 G 1	25.4	624	1097
0026149	2 X 1.5	6.8	29	74
0026150	3 G 1.5	7.4	43.2	93
0026151	4 G 1.5	8.1	58	114
0026152	5 G 1.5	9.1	72	139
0026153	7 G 1.5	10.9	101	189
0026154	12 G 1.5	12.9	173	295
0026156	18 G 1.5	15.6	259	429
0026157	25 G 1.5	18.6	360	597
0026158	26 G 1.5	18.6	374.4	615
0026159	34 G 1.5	21.1	489.6	783
0026160	41 G 1.5	23	613	936
0026161	42 G 1.5	23	629	954
0026162	50 G 1.5	25	720	1134
0026170	3 G 2.5	9	72	145
0026171	4 G 2.5	10	96	179
0026172	5 G 2.5	11.2	120	218
0026173	7 G 2.5	13.6	168	303
0026174	12 G 2.5	16	288	473
0026175	14 G 2.5	17.2	336	548
0026180	3 G 4	10.6	120	214
0026181	4 G 4	11.7	160	266
0026182	5 G 4	13.1	200	325
0026183	4 G 6	13.9	230.4	396
0026184	5 G 6	15.5	288	484
0026185	4 G 10	17.6	384	644
0026186	5 G 10	19.6	480	785
0026187	4 G 16	21	615	922
0026188	5 G 16	23.6	768	1133