

# OLFLEX® FD CLASSIC 810/ 810 CY



## Flexible Continuous Flex Control Cable

OLFLEX® FD CLASSIC 810 is a flexible, multi-conductor cable designed for continuous flex applications. It is specially designed to optimize flex life and provides excellent resistance to mineral oils, synthetic oils and water based coolants. OLFLEX® FD CLASSIC 810 CY is a shielded version available with an overall tinned copper braid.

### Recommended Applications:

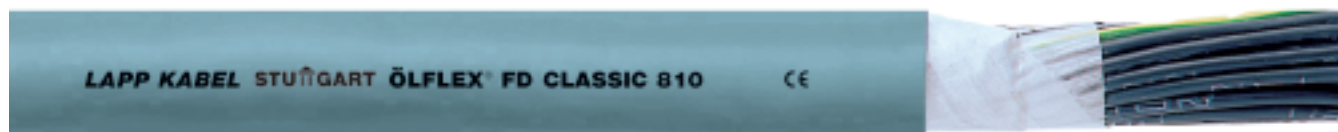
Cable tracks, Gantry robots, Pick and place units, Conveyor systems, Machine tools, Automated handling equipment and Other continuous flexing applications.

### Application Advantage:

- For continuous flexing applications with small bending radius down to 7.5 x OD
- A European version with CE Approval
- Number coded conductors for easier installation

### OLFLEX® FD CLASSIC 810 Construction:





Finely stranded bare copper conductors; specially blended PVC insulation; dry lubricant; conductors cabled with non-wicking textile wrap over outer layer; specially formulated oil resistant gray PVC jacket.







### OLFLEX® FD CLASSIC 810 CY Construction:

Finely stranded bare copper conductors; specially blended PVC insulation; dry lubricant; conductors cabled with non-wicking textile wrap; gray inner PVC jacket; tinned copper braid (85% coverage); specially formulated oil resistant gray PVC jacket.










Cable Attributes, See Page 653		
	Oil Resistance: OR-1	
	Motion Type: CF-01	
		Flame Resistance: FR-02
		Mechanical Properties: MP-01

Availability:	
	Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

Complete the installation with:		
	SKINTOP® Strain Relief: Page 486	
	OLFLEX® Tubing: Page 546	
		EPIC® Connectors: Page 251
		SKINTOP® MS-SC Page 486

### Technical Data:

	Minimum Bending Radius - for continuous flexing: 7.5 x cable diameter - with shield: 10 x cable diameter		Conductor Stranding: Extra Fine Wire per VDE 0295, Class 6, IEC 228 Cl.6
	Temperature Range: - for flexible use: 0°C to +70°C - for stationary use: -40°C to +80°C		Color Code: Black with white numbers, plus green/yellow ground
	Nominal Voltage: 300/500V		Approvals: Based on VDE Specifications
	Test Voltage: 4000V		

# OLFLEX® FD CLASSIC 810/ 810 CY



Flexible Continuous Flex Control Cable

## OLFLEX® FD CLASSIC 810: Flexible Continuous Flex Control Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
21 AWG (28/34) 0.50 mm <sup>2</sup>							0026142 41 .835 21.2 265 478 712						
0026100	2	.228	5.8	7	27	40	0026143	50	.902	22.9	323	574	854
0026101	3	.244	6.2	10	32	48	16 AWG (84/34) 1.50 mm <sup>2</sup>						
0026102	4	.268	6.8	13	39	58	0026149	2	.287	7.3	19	50	74
0026103	5	.287	7.3	16	45	67	0026150	3	.311	7.9	29	62	93
0026104	7	.335	8.5	23	59	88	0026151	4	.339	8.6	39	77	114
0026105	12	.394	10.0	39	91	136	0026152	5	.378	9.6	48	93	139
0026106	18	.472	12.0	58	131	195	0026153	7	.453	11.5	68	127	189
0026107	25	.587	14.9	81	184	274	0026154	12	.531	13.5	116	198	295
0026109	34	.642	16.3	110	241	359	0026156	18	.642	16.3	174	288	429
0026110	50	.756	19.2	161	346	515	0026157	25	.787	20.0	242	401	597
19 AWG (42/34) 0.75 mm <sup>2</sup>							0026159 34 .854 21.7 329 526 783						
0026119	2	.244	6.2	10	33	49	14 AWG (140/34) 2.50 mm <sup>2</sup>						
0026120	3	.264	6.7	15	40	60	0026170	3	.374	9.5	48	97	145
0026121	4	.287	7.3	19	49	73	0026171	4	.413	10.5	65	120	179
0026122	5	.311	7.9	25	58	86	0026172	5	.465	11.8	81	146	218
0026123	7	.370	9.4	34	79	117	0026173	7	.559	14.2	113	204	303
0026124	12	.441	11.2	58	122	181	0026174	12	.657	16.7	194	318	473
0026125	16	.496	12.6	78	157	234	0026175	14	.705	17.9	226	368	548
0026126	18	.524	13.3	87	174	259	12 AWG (224/34) 4 mm <sup>2</sup>						
0026127	25	.626	15.9	122	244	363	0026180	3	.441	11.2	81	144	214
0026128	26	.626	15.9	126	251	374	0026181	4	.484	12.3	108	179	266
0026129	30	.650	16.5	220	280	416	0026182	5	.539	13.7	134	218	325
18 AWG (56/34) 1.00 mm <sup>2</sup>							10 AWG (192/32) 6 mm <sup>2</sup>						
0026130	2	.260	6.6	13	39	58	0026183	4	.571	14.5	150	266	396
0026131	3	.280	7.1	19	48	72	0026184	5	.638	16.2	194	325	484
0026132	4	.307	7.8	26	59	88	8 AWG (320/32) 10 mm <sup>2</sup>						
0026133	5	.335	8.5	32	70	104	0026185	4	.720	18.3	258	433	644
0026134	7	.398	10.1	45	95	142	0026186	5	.799	20.3	323	527	785
0026135	12	.472	12.0	77	148	221	6 AWG (512/32) 16 mm <sup>2</sup>						
0026138	18	.571	14.5	116	218	324	0026187	4	.835	21.2	413	619	922
0026139	25	.701	17.8	161	299	445	0026188	5	.933	23.7	516	761	1133

## OLFLEX® FD CLASSIC 810 CY: Shielded Flexible Continuous Flex Control Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
21 AWG (28/34) 0.50 mm <sup>2</sup>							0026242 41 .937 23.8 364 617 918						
0026200	2	.291	7.4	22	50	74	0026244	65	1.150	29.2	575	939	1398
0026201	3	.307	7.8	26	56	84	16 AWG (84/34) 1.50 mm <sup>2</sup>						
0026202	4	.331	8.4	31	66	98	0026249	2	.350	8.9	39	79	117
0026203	5	.350	8.9	36	74	110	0026250	3	.374	9.5	50	93	139
0026204	7	.406	10.3	47	96	143	0026251	4	.409	10.4	61	114	169
0026205	12	.469	11.9	67	135	201	0026252	5	.453	11.5	75	135	201
0026206	18	.551	14.0	103	193	287	0026253	7	.524	13.3	97	176	262
0026207	25	.677	17.2	136	265	394	0026254	12	.622	15.8	166	271	404
19 AWG (42/34) 0.75 mm <sup>2</sup>							0026256 18 .728 18.5 234 376 560						
0026219	2	.307	7.8	26	57	85	0026257	25	.886	22.5	335	533	793
0026220	3	.327	8.3	32	67	99	0026259	34	.965	24.5	470	675	1005
0026221	4	.350	8.9	40	78	116	0026262	50	1.142	29.0	645	967	1439
0026222	5	.374	9.5	46	89	133	14 AWG (140/34) 2.50 mm <sup>2</sup>						
0026223	7	.445	11.3	60	120	178	0026270	3	.449	11.4	80	139	207
0026224	12	.512	13.0	87	170	253	0026271	4	.488	12.4	108	166	247
0026225	16	.583	14.8	125	228	339	0026272	5	.543	13.8	130	206	307
0026226	18	.610	15.5	138	247	368	0026273	7	.650	16.5	176	281	418
0026227	25	.736	18.7	182	333	496	12 AWG (224/34) 4 mm <sup>2</sup>						
0026228	26	.736	18.7	187	341	507	0026280	3	.512	13.0	126	191	285
0026229	30	.736	18.7	215	369	549	0026281	4	.563	14.3	160	242	360
18 AWG (56/34) 1.00 mm <sup>2</sup>							0026282 5 .630 16.0 188 293 436						
0026230	2	.323	8.2	31	65	97	10 AWG (192/32) 6 mm <sup>2</sup>						
0026231	3	.343	8.7	38	77	114	0026283	4	.661	16.8	214	345	514
0026232	4	.370	9.4	47	90	134	0026284	5	.724	18.4	276	413	614
0026233	5	.406	10.3	54	107	159	8 AWG (320/32) 10 mm <sup>2</sup>						
0026234	7	.472	12.0	74	139	207	0026285	4	.819	20.8	350	554	824
0026235	12	.551	14.0	122	211	314	0026286	5	.898	22.8	480	660	983
0026238	18	.661	16.8	171	298	443	6 AWG (512/32) 16 mm <sup>2</sup>						
0026239	25	.795	20.2	245	411	612	0026287	4	.937	23.8	524	811	1207
0026241	34	.870	22.1	311	529	787	0026288	5	1.059	26.9	706	1011	1505