

# OLFLEX® CLASSIC 100/ 100 CY



Flexible Power and Control Cable  
Color Coded

OLFLEX® CLASSIC 100 is a color coded, multi-conductor control and power cable for use in all electrical equipment in dry, damp or wet conditions. It is a European style cable conforming to CE and is available unshielded and shielded.

**Recommended Applications:**

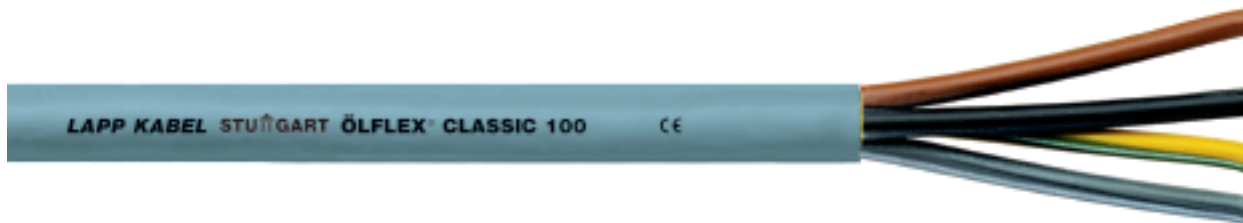
Control systems, Assembly lines, Control panels, Data processing equipment and other European influenced machinery specifications

**Application Advantages:**

- European color code for power
- Conforms to CE standards
- Available with inner jacket and tinned copper braid for EMI/RFI protection
- Pressure extruded jacket for improved flexibility

**OLFLEX® CLASSIC 100 Construction:**










Finely stranded bare copper conductors; PVC insulation; conductors cabled with non-wicking fillers; dry lubricant; gray PVC jacket.










**OLFLEX® CLASSIC 100 CY Construction:**

Finely stranded bare copper conductors; PVC insulation; conductors cabled with non-wicking fillers; dry lubricant; gray PVC inner jacket, tinned copper braid (85% coverage); transparent PVC jacket.



Cable Attributes, See Page 653			Availability:	Complete the installation with:			
	Oil Resistance: OR-01		 Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.		SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	Motion Type: FL-01			Mechanical Properties: MP-01		OLFLEX® Tubing: Page 546	

**Technical Data:**

	Minimum Bend Radius - for installation: - with shield:	4 x cable diameter 6 x cable diameter		Conductor Stranding:	Fine Wire per VDE 0295, Class 5, IEC 60228 Cl.5
	Temperature Range:	-40°C to +80°C		Color Code:	Chart 6, Page 673
	Nominal Voltage:	300/500 V (≤ 16 AWG) 450/750 V (≥ 14 AWG)		Approvals:	Based on VDE specifications
	Test Voltage:	4000V			

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## OLFLEX® CLASSIC 100: Flexible Power & Control

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
<b>(300/500 V)</b>							<b>6 AWG (128/26) 16 mm<sup>2</sup></b>						
21 AWG (16/32) 0.50 mm <sup>2</sup>							0010302	3	.720	18.3	310	612	911
0010000	2	.213	5.4	7	28	42	00101123	4	.803	20.4	413	730	1087
0010001	3	.224	5.7	10	34	50	00101133	5	.898	22.8	516	921	1370
00100023	4	.244	6.2	13	40	60	<b>4 AWG (200/26) 25 mm<sup>2</sup></b>						
00100033	5	.264	6.7	16	48	71	0010303	3	.906	23.0	484	932	1388
<b>18 AWG (32/32) 1.00 mm<sup>2</sup></b>							<b>00101153</b>						
0010041	2	.256	6.5	13	43	64	00101163	4	1.000	25.4	645	1063	1582
0010042	3	.272	6.9	19	52	78	<b>2 AWG (280/26) 35 mm<sup>2</sup></b>						
00100433	4	.303	7.7	26	65	97	0010304	3	1.008	25.6	677	1187	1766
00100443	5	.331	8.4	32	70	105	00101173	4	1.112	28.5	903	1416	2106
<b>(450/750 V)</b>							<b>00101183</b>						
<b>16 AWG (30/30) 1.50 mm<sup>2</sup></b>							<b>1 AWG (400/26) 50 mm<sup>2</sup></b>						
0010063	2	.295	7.5	19	58	87	0010305	3	1.220	31.0	968	1718	2556
0010064	3	.319	8.1	29	73	109	00101193	4	1.358	34.5	1290	1978	2943
00100653	4	.350	8.9	39	89	133	<b>2/0 AWG (560/26) 70 mm<sup>2</sup></b>						
00100663	5	.394	10.0	48	110	163	0010306	3	1.390	35.3	1355	2139	3182
<b>14 AWG (50/30) 2.50 mm<sup>2</sup></b>							<b>00101203</b>						
0010086	2	.350	8.9	32	86	128	<b>3/0 AWG (485/24) 95 mm<sup>2</sup></b>						
0010087	3	.378	9.6	48	109	162	0010307	3	1.626	41.3	1839	3142	4675
00100883	4	.421	10.7	65	136	203	00101213	4	1.803	45.8	2451	3717	5538
00100893	5	.465	11.8	81	163	242	<b>4/0 AWG (614/24) 120 mm<sup>2</sup></b>						
<b>12 AWG (56/28) 4 mm<sup>2</sup></b>							<b>0010308</b>						
0010100	2	.417	10.6	52	126	187	00103093	4	2.043	51.9	3096	4694	6994
00101013	4	.500	12.7	103	200	297	<b>300 KCMIL (765/24) 150 mm<sup>2</sup></b>						
00101023	5	.547	13.9	129	239	355	00103113	4	2.319	58.9	3871	4570	6800
<b>10 AWG (84/28) 6 mm<sup>2</sup></b>							<b>350 KCMIL (942/24) 185 mm<sup>2</sup></b>						
0010105	3	.496	12.6	116	214	318	00103123	4	2.437	61.9	4774	5578	8300
00101063	4	.543	13.8	155	265	394	<b>500 KCMIL (1225/24) 240 mm<sup>2</sup></b>						
00101073	5	.614	15.6	194	329	489	00103103	4	2.996	76.1	6193	7090	10550
<b>8 AWG (80/26) 10 mm<sup>2</sup></b>													
0010301	3	.626	15.9	194	342	516							
00101093	4	.693	17.6	258	437	650							
00101103	5	.776	19.7	323	532	792							

## OLFLEX® CLASSIC 100 CY: Shielded Flexible Power & Control

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
<b>(300/500)</b>							<b>8 AWG (80/26) 10 mm<sup>2</sup></b>						
21 AWG (16/32) 0.50 mm <sup>2</sup>							00350213	4	.831	21.1	375	566	843
0035001	2	.276	7.0	28	50	75	00352903	5	.909	23.1	480	675	1004
0035002	3	.287	7.3	31	56	83	<b>6 AWG (128/26) 16 mm<sup>2</sup></b>						
00350033	4	.311	7.9	37	67	99	00350223	4	.941	23.9	540	936	1395
00352013	5	.331	8.4	44	75	112	00350153	5	1.055	26.8	706	1216	1812
<b>18 AWG (32/32) 1.00 mm<sup>2</sup></b>							<b>4 AWG (200/26) 25 mm<sup>2</sup></b>						
0035220	2	.311	7.9	38	66	98	00350233	4	1.157	29.4	866	1279	1903
0035221	3	.323	8.2	44	75	111	00350243	5	1.283	32.6	972	1595	2374
00352223	4	.343	8.7	52	87	130	<b>2 AWG (280/26) 35 mm<sup>2</sup></b>						
00352233	5	.374	9.5	60	103	153	00350253	4	1.276	32.4	1138	1673	2489
<b>(450/750 V)</b>							<b>00350263</b>						
<b>16 AWG (30/30) 1.50 mm<sup>2</sup></b>							<b>1 AWG (400/26) 50 mm<sup>2</sup></b>						
0035000	2	.390	9.9	44	89	132	00350273	4	1.409	38.8	1574	2259	3362
0035458	3	.406	10.3	53	114	170	<b>2/0 AWG (560/26) 70 mm<sup>2</sup></b>						
00354593	4	.445	11.3	65	137	204	00350283	4	1.720	43.7	2039	2499	3719
00354603	5	.496	12.6	78	165	246	<b>3/0 AWG (485/24) 95 mm<sup>2</sup></b>						
<b>14 AWG (50/30) 2.50 mm<sup>2</sup></b>							<b>00350293</b>						
0035011	3	.465	11.8	98	142	211	00350293	4	1.984	50.4	2725	3931	5849
00350173	4	.531	13.5	112	208	310	<b>4/0 AWG (614/24) 120 mm<sup>2</sup></b>						
00350123	5	.575	14.6	134	219	326	00354303	4	2.236	56.8	3511	5046	7509
<b>12 AWG (56/28) 4 mm<sup>2</sup></b>							<b>300 KCMIL (765/24) 150 mm<sup>2</sup></b>						
00350183	4	.594	15.1	159	271	403	00354313	4	2.449	62.2	4233	5242	7800
00350133	5	.650	16.5	220	321	478	<b>350 KCMIL (944/24) 185 mm<sup>2</sup></b>						
<b>10 AWG (84/28) 6 mm<sup>2</sup></b>							<b>00354323</b>						
00350193	4	.654	16.6	214	352	524	00354323	4	2.669	67.8	5210	6630	9866
00350143	5	.717	18.2	296	419	624							