

OLFLEX® Classic 100/ 100 CY

Flexible Power and Control Cable
Color Coded



OLFLEX® Classic 100 is a multi-conductor, flexible power and control cable designed for use in all electrical equipment in dry, damp, and wet conditions.

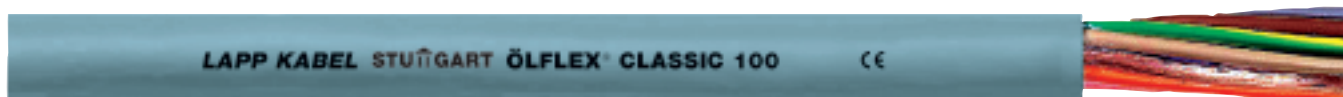
electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

OLFLEX® Classic 100 CY is a multi-conductor, shielded, flexible power and control cable designed for use in all electrical equipment in dry, damp, and wet conditions. An overall tinned copper braid is recommended whenever

Recommended applications include machine tools, assembly lines, control systems, data processing equipment, connections between control panels and machines, CNC machining centers, grinding machines and bottling equipment.

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							
	OR-01		FR-02		FL-01		MP-01

Technical Data:

	Minimum Bend Radius for installation: with shield:	4 x cable diameter 6 x cable diameter		Nominal Voltage:	300/500 V (≤ 18 AWG) 450/750 V (≥ 16 AWG)
	Temperature Range:	-40°C to +70°C		Color Code:	Chart 6, Page 674
	Test Voltage:	4000V		Approvals:	Based on VDE specifications
	Conductor Stranding:	Fine Wire per VDE 0295, Class 5	Conforms to CE Low Voltage Directive		

OLFLEX® Classic 100: Flexible Power & Control

Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight		Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight	
			inches	mm	lbs/mft	kg/km				inches	mm	lbs/mft	kg/km
(300/500 V)							(450/750 V)						
21 AWG (16/32) 0.50 mm ²							16 AWG (30/30) 1.50 mm ²						
10000	10000	2	.213	5.4	28	42	10063	10063	2	.295	7.5	58	87
10001	10001	3	.224	5.7	34	50	10064	10064	3	.319	8.1	73	109
10002	00100023	4	.244	6.2	40	60	10065	00100653	4	.350	8.9	89	133
10003	00100033	5	.264	6.7	48	71	10066	00100663	5	.394	10.0	110	163
18 AWG (32/32) 1.00 mm ²							14 AWG (50/30) 2.50 mm ²						
10041	10041	2	.256	6.5	43	64	10086	10086	2	.350	8.9	86	128
10042	10042	3	.272	6.9	52	78	10087	10087	3	.378	9.6	109	162
10043	00100433	4	.303	7.7	65	97	10088	00100883	4	.421	10.7	136	203
10044	00100443	5	.331	8.4	70	105	10089	00100893	5	.465	11.8	163	243

* New part number reflects revised color code per DIN VDE 0293-308

OLFLEX® Classic 100/ 100 CY

Flexible Power and Control Cable
Color Coded



OLFLEX® Classic 100: Flexible Power & Control

Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
12 AWG (56/28) 4 mm²							2 AWG (280/26) 35 mm²						
10100	10100	2	.417	10.6	126	187	10304	10304	3	1.008	25.6	1187	1766
10101	00101013	4	.500	12.7	200	297	10117	00101173	4	1.112	28.5	1416	2106
10102	00101023	5	.547	13.9	239	355	10118	00101183	5	1.256	31.9	1771	2635
10 AWG (84/28) 6 mm²							1 AWG (400/26) 50 mm²						
10105	10105	3	.496	12.6	214	318	10305	00103053	3	1.220	31.0	1718	2556
10106	00101063	4	.543	13.8	265	394	10119	00101193	4	1.358	34.5	1978	2943
10107	00101073	5	.614	15.6	329	489	2/0 AWG (560/26) 70 mm²						
8 AWG (80/26) 10 mm²							10306	10306	3	1.390	35.3	2139	3182
10301	10301	3	.626	15.9	342	516	10120	00101203	4	1.551	39.4	2750	4092
10109	00101093	4	.693	17.6	437	650	3/0 AWG (485/24) 95 mm²						
10110	00101103	5	.776	19.7	532	792	10307	10307	3	1.626	41.3	3142	4675
6 AWG (128/26) 16 mm²							10121	00101213	4	1.803	45.8	3717	5538
10302	10302	3	.720	18.3	612	911	4/0 AWG (614/24) 120 mm²						
10112	00101123	4	.803	20.4	730	1087	10308	10308	3	1.835	46.6	3776	5626
10113	00101133	5	.898	22.8	921	1370	10309	00103093	4	2.043	51.9	4694	6994
4 AWG (200/26) 25 mm²							300 KCMIL (765/24) 150 mm²						
10303	10303	3	.906	23.0	932	1388	0010311	00103113	4	2.319	58.9	4570	6800
10115	00101153	4	1.000	25.4	1063	1582	350 KCMIL (942/24) 185 mm²						
10116	00101163	5	1.122	28.5	1343	1998	0010312	00103123	4	2.437	61.9	5578	8300
							500 KCMIL (1225/24) 240 mm²						
							0010310	00103103	4	2.996	76.1	7090	10550

OLFLEX® Classic 100 CY: Shielded Flexible Power & Control

Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Old Part Number	New Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
(300/500)							8 AWG (80/26) 10 mm²						
21 AWG (16/32) 0.50 mm²							35021	00350213	4	.831	21.1	566	843
35001	35001	2	.276	7.0	50	75	35290	00352903	5	.909	23.1	675	1004
35002	35002	3	.287	7.3	56	83	6 AWG (128/26) 16 mm²						
35003	00350033	4	.311	7.9	67	99	35022	00350223	4	.941	23.9	936	1395
35201	35201	5	.331	8.4	75	112	35015	00350153	5	1.055	26.8	1216	1812
18 AWG (32/32) 1.00 mm²							4 AWG (200/26) 25 mm²						
35220	35220	2	.311	7.9	66	98	35023	00350233	4	1.157	29.4	1279	1903
35221	35221	3	.323	8.2	75	111	35024	00350243	5	1.283	32.6	1595	2374
35222	00352223	4	.343	8.7	87	130	2 AWG (280/26) 35 mm²						
35223	00352233	5	.374	9.5	103	153	35025	00350253	4	1.276	32.4	1673	2489
(450/750 V)							35026	00350263	5	1.417	36.0	1862	2771
16 AWG (30/30) 1.50 mm²							1 AWG (400/26) 50 mm²						
35000	35000	2	.390	9.9	89	132	35027	00350273	4	1.409	38.8	2259	3362
35458	35458	3	.406	10.3	114	170	2/0 AWG (560/26) 70 mm²						
35459	00354593	4	.445	11.3	137	204	35028	00350283	4	1.720	43.7	2499	3719
35460	00354603	5	.496	12.6	165	246	3/0 AWG (485/24) 95 mm²						
14 AWG (50/30) 2.50 mm²							35029	00350293	4	1.984	50.4	3931	5849
35011	35011	3	.465	11.8	142	211	4/0 AWG (614/24) 120 mm²						
35017	00350173	4	.531	13.5	208	310	35430	00354303	4	2.236	56.8	5046	7509
35012	00350123	5	.575	14.6	219	326	300 KCMIL (765/24) 150 mm²						
12 AWG (56/28) 4 mm²							0035431	00354313	4	2.421	61.5	5242	7800
35018	00350183	4	.594	15.1	271	403	350 KCMIL (944/24) 185 mm²						
35013	00350133	5	.650	16.5	321	478	0035432	00354323	4	2.539	64.5	6630	9866
10 AWG (84/28) 6 mm²													
35019	00350193	4	.654	16.6	352	524							
35014	00350143	5	.717	18.2	419	624							

* Additional configurations are available, please call your Lapp representative for more information.

* New part number reflects revised color code per DIN VDE 0293-308