

OLFLEX® CLASSIC 110 H/ 110 CH



Oil Resistant, Halogen-Free Control Cable
LSF OH (Low Smoke & Fume, Zero Halogen)

OLFLEX® CLASSIC 110 H is a halogen-free, multi-conductor control and power cable with improved oil resistance and flame protection. It is for use in all electrical equipment in dry or damp conditions. It is UV resistant at normal temperatures and is available unshielded and shielded.

Recommended Applications:

Amusement rides, Theater stages and other areas where human safety is a concern. Also suitable, on machinery due to its improved oil resistance.

Application Advantage:

- Completely recyclable, low toxicity of smoke gases (NES 713 Part 3) and low smoke density (IEC 61034)
- No flame propagation for cables $\geq 18/7c$ (IEC 60332-3-24) and flame retardant (IEC 60332-1-2)
- Oil resistant (SEV TB 20 B)
- Hydrolysis resistant (HD 22.10)

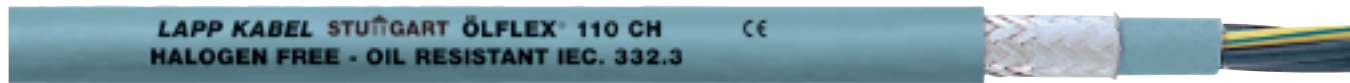
OLFLEX® CLASSIC 110 H Construction:

Finely stranded bare copper conductors, halogen-free polymer compound, specially formulated oil resistant gray halogen-free polymer jacket



OLFLEX® CLASSIC 110 CH Construction:

Finely stranded bare copper conductors, halogen-free polymer compound, halogen-free inner jacket, tinned copper braid shield (85% coverage), specially formulated oil resistant gray halogen-free polymer jacket



Cable Attributes, See Page 653

	Oil Resistance: OR-03		Flame Resistance: FR-03
	Motion Type: FL-01		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		EPIC® Connectors: Page 251
	OLFLEX® Tubing: Page 546		SKINTOP® MS-SC Page 486

Technical Data:

Minimum Bend Radius - for installation: 4 x cable diameter - with shield: 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: Black with white numbers, plus green/yellow ground
Nominal Voltage: 300/500V	Approvals: Based on VDE specifications
Test Voltage: 4000V	

OLFLEX® CLASSIC 110 H/ 110 CH



Oil Resistant, Halogen-Free Control Cable
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OLFLEX® CLASSIC 110 H: Oil Resistant Halogen-Free Control Cables

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight		Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight	
		inches	mm	lbs/mft	lbs/mft	kg/km			inches	mm	lbs/mft	lbs/mft	kg/km
21 AWG (16/32) 0.50 mm ²							14 AWG (50/30) 2.50 mm ²						
0019901	3	.217	5.5	10	32	47	0019945	3	.346	8.8	48	102	152
0019903	4	.232	5.9	13	38	57	0019946	4	.378	9.6	65	129	192
0019905	5	.256	6.5	16	44	66	0019947	5	.433	11.0	81	163	243
0019906	7	.295	7.5	23	57	85	0019948	7	.508	12.9	113	208	310
0019907	12	.335	8.5	39	89	133	0019949	12	.598	15.2	194	352	524
18 AWG (32/32) 1.00 mm ²							12 AWG (56/28) 4 mm ²						
0019961	3	.244	6.2	19	49	73	0019950	4	.441	11.2	103	201	299
0019963	4	.268	6.8	26	57	85	0019951	5	.480	12.2	129	244	363
0019965	5	.291	7.4	32	71	105	0019952	7	.567	14.4	181	328	488
0019967	7	.362	9.2	45	88	131	10 AWG (84/28) 6 mm ²						
0019969	12	.433	11.0	77	148	220	0019953	4	.520	13.2	155	323	480
0019971	18	.504	12.8	116	212	315	0019954	5	.587	14.9	194	392	583
0019972	25	.634	16.1	161	302	449	0019975	7	.693	17.6	271	525	782
16 AWG (30/30) 1.50 mm ²													
0019931	3	.272	6.9	29	64	95							
0019932	4	.295	7.5	39	79	117							
0019933	5	.339	8.6	48	97	144							
0019934	7	.417	10.6	68	123	183							
0019935	12	.484	12.3	116	206	307							
0019937	18	.567	14.4	174	312	465							
0019938	25	.732	18.6	242	440	655							

OLFLEX® CLASSIC 110 CH: Oil Resistant Shielded Halogen-Free Control Cables

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight		Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Copper Weight	Approx. Weight	
		inches	mm	lbs/mft	lbs/mft	kg/km			inches	mm	lbs/mft	lbs/mft	kg/km
21 AWG (16/32) 0.50 mm ²							12 AWG (56/28) 4 mm ²						
0035031	3	.287	7.3	31	71	106	0035094	4	.528	13.4	159	308	458
0035033	4	.303	7.7	37	83	123	0035095	5	.579	14.7	188	357	532
0035035	5	.327	8.3	44	90	134	0035096	7	.717	18.2	261	515	766
0035036	7	.390	9.9	54	108	160	10 AWG (84/28) 6 mm ²						
0035037	12	.441	11.2	91	159	237	0035097	4	.606	15.4	214	411	611
18 AWG (32/32) 1.00 mm ²							0035098	5	.717	18.2	304	517	770
0035056	3	.315	8.0	44	94	140	0035099	7	.823	20.9	353	695	1035
0035058	4	.362	9.2	52	108	160	8 AWG (80/26) 10 mm ²						
0035060	5	.386	9.8	60	122	182	0035380	4	.961	24.4	375	663	986
0035061	7	.441	11.2	76	144	215	6 AWG (128/26) 16 mm ²						
0035062	12	.520	13.2	126	237	352	0035382	4	.098	27.9	540	899	1338
0035063	18	.606	15.4	192	345	514	4 AWG (200/26) 25 mm ²						
0035064	25	.760	19.3	261	455	677	0035384	4	1.287	32.7	866	1363	2028
16 AWG (30/30) 1.50 mm ²							2 AWG (280/26) 35 mm ²						
0035068	3	.366	9.3	56	126	187	0035386	4	1.449	36.8	1138	1780	2649
0035070	4	.390	9.9	67	135	201	1 AWG (400/26) 50 mm ²						
0035071	5	.417	10.6	84	155	231	0035388	4	1.669	42.4	1574	2514	3741
0035072	7	.504	12.8	132	208	310	2/0 AWG (560/26) 70 mm ²						
0035073	12	.571	14.5	188	339	505	0035390	4	1.874	47.6	1998	3396	5054
0035074	18	.717	18.2	261	451	671	3/0 AWG (485/24) 95 mm ²						
0035075	25	.850	21.6	360	642	955	0035392	4	2.035	51.7	2725	4319	6427
14 AWG (50/30) 2.50 mm ²													
0035089	3	.425	10.8	98	142	211							
0035090	4	.457	11.6	112	239	356							
0035091	5	.520	13.2	134	259	386							
0035092	7	.610	15.5	194	335	498							
0035093	12	.748	19.0	321	612	911							