

ÖLFLEX® CLASSIC 110 H/ 110 CH

Oil-resistant, low smoke, zero halogen control cable

LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 110 H

LAPP KABEL STUTTGART ÖLFLEX® CLASSIC 110 CH

ÖLFLEX® 110 H/ 110 CH is a low smoke, zero halogen (LSZH), 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 and weather resistant and comes in shielded and unshielded versions.

Recommended applications

Public buildings; airports; railway stations; amusement rides; areas where human safety is a concern

Approvals



Cable attributes		page 648	
OIL	OR-04	FLAME	FR-04
MOTION	FL-01	MECH.	MP-01

Unshielded construction

Conductors: finely stranded bare copper

Insulation: halogen-free

Jacket: halogen-free; gray

Shielded construction

Conductors: finely stranded bare copper

Insulation: halogen-free

Inner jacket: halogen-free; gray

Shielding: tinned copper braid (85% coverage)

Jacket: halogen-free; gray

Application advantage

- Low smoke, zero halogen (LSZH)
- Flame retardant
- Highly flexible and oil resistant
- UV-resistant jacket

Complete the installation



SKINTOP®
strain relief
page 492



EPIC®
connectors
page 284

Technical data

	Minimum bend radius:			Color code:	black with white numbers, plus green/yellow ground
	- unshielded:	4 x cable diameter			
	- shielded:	6 x cable diameter			
	Temperature range:			Approvals:	UL: AWM 21089 AWM 75°C, 600V
	- for flexible use:	-30°C to +70°C (UL: +75°C)		Attributes:	Oil Res I/II NFPA 79 sunlight resistant
	- for stationary use:	-40°C to +80°C (UL: +75°C)		Additional:	based on VDE specifications CE & RoHS DNV-GL certified LS acc. to IEC 61034-2 HF acc. to IEC 60754-1 Corrosiveness acc. to IEC 60754-2 FR acc. to IEC 60332-3-22/24/25
	Nominal voltage:				
	- UL:	600V			
	- U ₀ /U:	300/500V			
	Test voltage:	4000V			
	Conductor stranding:	Class 5 fine wire			

ÖLFLEX® CLASSIC 110 H

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
20 AWG (0.5 mm²)						
10019901	3	0.213	5.4	10	33	S1107
10019903	4	0.228	5.8	13	39	S1107
10019905	5	0.248	6.3	16	46	S1109
10019906	7	0.272	6.9	23	58	S1109
10019907	12	0.358	9.1	39	95	S1111
18 AWG (1 mm²)						
10019961	3	0.240	6.1	19	48	S1107
10019963	4	0.260	6.6	26	58	S1109
10019965	5	0.287	7.3	32	70	S1111
10019967	7	0.319	8.1	45	93	S1111
10019969	12	0.421	10.7	77	151	S1113
10019971	18	0.508	12.9	116	220	S1116
10019972	25	0.591	15.0	161	299	S1121
16 AWG (1.5 mm²)						
10019931	3	0.268	6.8	29	63	S1109
10019932	4	0.291	7.4	39	77	S1111
10019933	5	0.327	8.3	48	95	S1111
10019934	7	0.354	9.0	68	124	S1111
10019935	12	0.480	12.2	116	207	S1116
10019937	18	0.575	14.6	174	302	S1121
10019938	25	0.677	17.2	242	415	S1121

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread	
14 AWG (2.5 mm ²)						
10019945	3	0.327	8.3	48	98	S1111
10019946	4	0.354	9.0	65	121	S1111
10019947	5	0.398	10.1	81	149	S1113
10019948	7	0.441	11.2	113	198	S1113
10019949	12	0.594	15.1	194	330	S1121
12 AWG (4 mm ²)						
10019950	4	0.425	10.8	103	180	S1113
10019951	5	0.476	12.1	129	220	S1116
10019952	7	0.528	13.4	181	294	S1116
10 AWG (6 mm ²)						
10019953	4	0.512	13.0	155	263	S1116
10019954	5	0.571	14.5	194	321	S1121
10019975	7	0.630	16.0	271	429	S1121
8 AWG (10 mm ²)						
10019851	4	0.638	16.2	258	427	S2121
6 AWG (16 mm ²)						
10019849	4	0.740	18.8	413	625	S2129
4 AWG (25 mm ²)						
10019854	4	0.925	23.5	645	969	S2129
2 AWG (35 mm ²)						
10019856	4	1.050	26.6	912	1288	S2136

ÖLFLEX® CLASSIC 110 CH

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
20 AWG (0.5 mm²)						
10035031	3	0.291	7.4	24	64	53112220
10035033	4	0.315	8.0	28	75	53112220
10035035	5	0.339	8.6	32	85	53112220
10035036	7	0.358	9.1	40	99	53112220
10035037	12	0.453	11.5	61	152	53112240
18 AWG (1 mm²)						
10035056	3	0.331	8.4	35	85	53112220
10035058	4	0.350	8.9	49	106	53112220
10035060	5	0.382	9.7	56	115	53112230
10035061	7	0.406	10.3	65	141	53112230
10035062	12	0.535	13.6	113	233	53112240
10035063	18	0.618	15.7	158	319	53112250
10035064	25	0.701	17.8	210	411	53112260
16 AWG (1.5 mm²)						
10035068	3	0.354	9.0	46	104	53112220
10035070	4	0.386	9.8	58	125	53112230
10035071	5	0.413	10.5	69	144	53112230
10035072	7	0.449	11.4	90	181	53112240
10035073	12	0.591	15.0	156	299	53112250
10035074	18	0.685	17.4	220	410	53112260
10035075	25	0.803	20.4	311	566	53112260

Part number	Number of conductors incl. ground	Nominal outer diameter in mm	Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread	
14 AWG (2.5 mm²)						
10035089	3	0.413	10.5	69	148	53112230
10035090	4	0.449	11.4	87	178	53112240
10035091	5	0.500	12.7	106	216	53112240
10035092	7	0.551	14.0	150	284	53112250
10035093	12	0.705	17.9	242	443	53112260
12 AWG (4 mm²)						
10035094	4	0.535	13.6	140	262	53112240
10035095	5	0.587	14.9	169	311	53112250
10035096	7	0.638	16.2	224	395	53112250
10 AWG (6 mm²)						
10035097	4	0.622	15.8	198	347	53112250
10035098	5	0.681	17.3	239	414	53112260
10035099	7	0.740	18.8	322	532	53112260
8 AWG (10 mm²)						
10035380	4	0.752	19.1	310	530	53112260
6 AWG (16 mm²)						
10035382	4	0.878	22.3	489	775	53112260
4 AWG (25 mm²)						
10035384	4	1.063	27.0	755	1214	53112270
2 AWG (35 mm²)						
10035386	4	1.197	30.4	1028	1560	53112270


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