

ÖLFLEX® CLASSIC 110 H/110 CH

Oil-Resistant, Low Smoke, Zero Halogen Control Cable; Unshielded & Shielded



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.

Unshielded Construction

Conductors: Finely stranded bare copper

Insulation: Halogen-free

Jacket: Halogen-free; gray

Shielded Construction

Conductors: Finely stranded bare copper

Insulation: Halogen-free

Shielding: Halogen-free inner jacket; tinned copper braid (85% coverage)

Jacket: Halogen-free; gray

Recommended Applications

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

Application Advantage

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

Approvals



Cable Attributes		page 640	
OIL	OR-04	FLAME	FR-04
MOTION	FL-01	MECH.	MP-01

Complete the Installation	
SKINTOP® Strain Relief	page 488
EPIC® Connectors	page 280

Technical Data

<p> Minimum Bend Radius: - unshielded: 4 x cable diameter - shielded: 6 x cable diameter</p> <p> Temperature Range: - for flexible use: -30°C to +70°C (UL: +75°C) - for stationary use: -40°C to +80°C (UL: +75°C)</p> <p> Nominal Voltage: UL: 600V U₀/U: 300/500V</p> <p> Test Voltage: 4000V</p>	<p> Conductor Stranding: Class 5 fine wire</p> <p> Color Code: Black with white numbers, plus green/yellow ground</p> <p> Approvals:</p> <p>UL: AWM 21089 AWM 75°C, 600V</p> <p>Attributes: Passes Oil Res I/II NFPA 79 Sunlight Resistant</p> <p>Additional: Based on VDE specifications CE & RoHS LS acc. to IEC 61034-2 HF acc. to IEC 60754-1 Corrosiveness acc. to IEC 60754-2</p>
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If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question. For current information go to our website.

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® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
20 AWG (0.50 mm²)							14 AWG (2.50 mm²)						
10019901	3	0.213	5.4	10	33	S1107	10019945	3	0.327	8.3	48	98	S1111
10019903	4	0.228	5.8	13	39	S1107	10019946	4	0.354	9.0	65	121	S1111
10019905	5	0.248	6.3	16	46	S1109	10019947	5	0.398	10.1	81	149	S1113
10019906	7	0.272	6.9	23	58	S1109	10019948	7	0.441	11.2	113	198	S1113
10019907	12	0.358	9.1	39	95	S1111	10019949	12	0.594	15.1	194	330	S1121
18 AWG (1.00 mm²)							12 AWG (4 mm²)						
10019961	3	0.240	6.1	19	48	S1107	10019950	4	0.425	10.8	103	180	S1113
10019963	4	0.260	6.6	26	58	S1109	10019951	5	0.476	12.1	129	220	S1116
10019965	5	0.287	7.3	32	70	S1111	10019952	7	0.528	13.4	181	294	S1116
10019967	7	0.319	8.1	45	93	S1111	10 AWG (6 mm²)						
10019969	12	0.421	10.7	77	151	S1113	10019953	4	0.512	13.0	155	263	S1116
10019971	18	0.508	12.9	116	220	S1116	10019954	5	0.571	14.5	194	321	S1121
10019972	25	0.591	15.0	161	299	S1121	10019975	7	0.630	16.0	271	429	S1121
16 AWG (1.50 mm²)							8 AWG (10 mm²)						
10019931	3	0.268	6.8	29	63	S1109	10019851	4	0.638	16.2	258	427	S2121
10019932	4	0.291	7.4	39	77	S1111	6 AWG (16 mm²)						
10019933	5	0.327	8.3	48	95	S1111	10019849	4	0.740	18.8	413	625	S2129
10019934	7	0.354	9.0	68	124	S1111	4 AWG (25 mm²)						
10019935	12	0.480	12.2	116	207	S1116	10019854	4	0.925	23.5	645	969	S2129
10019937	18	0.575	14.6	174	302	S1121	2 AWG (35 mm²)						
10019938	25	0.677	17.2	242	415	S1121	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	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 (0.50 mm²)							14 AWG (2.50 mm²)						
10035031	3	0.291	7.4	24	64	53112220	10035089	3	0.413	10.5	69	148	53112230
10035033	4	0.315	8.0	28	75	53112220	10035090	4	0.449	11.4	87	178	53112240
10035035	5	0.339	8.6	32	85	53112220	10035091	5	0.500	12.7	106	216	53112240
10035036	7	0.358	9.1	40	99	53112220	10035092	7	0.551	14.0	150	284	53112250
10035037	12	0.453	11.5	61	152	53112240	10035093	12	0.705	17.9	242	443	53112260
18 AWG (1.00 mm²)							12 AWG (4 mm²)						
10035056	3	0.331	8.4	35	85	53112220	10035094	4	0.535	13.6	140	262	53112240
10035058	4	0.350	8.9	49	106	53112220	10035095	5	0.587	14.9	169	311	53112250
10035060	5	0.382	9.7	56	115	53112230	10035096	7	0.638	16.2	224	395	53112250
10035061	7	0.406	10.3	65	141	53112230	10 AWG (6 mm²)						
10035062	12	0.535	13.6	113	233	53112240	10035097	4	0.622	15.8	198	347	53112250
10035063	18	0.618	15.7	158	319	53112250	10035098	5	0.681	17.3	239	414	53112260
10035064	25	0.701	17.8	210	411	53112260	10035099	7	0.740	18.8	322	532	53112260
16 AWG (1.50 mm²)							8 AWG (10 mm²)						
10035068	3	0.354	9.0	46	104	53112220	10035380	4	0.752	19.1	310	530	53112260
10035070	4	0.386	9.8	58	125	53112230	6 AWG (16 mm²)						
10035071	5	0.413	10.5	69	144	53112230	10035382	4	0.878	22.3	489	775	53112260
10035072	7	0.449	11.4	90	181	53112240	4 AWG (25 mm²)						
10035073	12	0.591	15.0	156	299	53112250	10035384	4	1.063	27.0	755	1214	53112270
10035074	18	0.685	17.4	220	410	53112260	2 AWG (35 mm²)						
10035075	25	0.803	20.4	311	566	53112260	10035386	4	1.197	30.4	1028	1560	53112270

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. For current information go to our website.