

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1123130	34 G 1.5	19.8	489.6	786
1123139	2 X 2.5	7.6	48	110
1123140	3 G 2.5	8.3	72	137
1123142	4 G 2.5	9.0	96	174
1123144	5 G 2.5	10.1	120	217
1123146	7 G 2.5	11.2	168	283
1123149	12 G 2.5	15.1	288	467
1123151	18 G 2.5	18.0	432	696
1123153	25 G 2.5	21.1	600	969
1123159	3 G 4.0	9.8	115.2	213
1123160	4 G 4.0	10.8	153.6	267
1123161	5 G 4.0	12.1	192	331

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1123162	7 G 4.0	13.4	268.8	432
1123166	3 G 6.0	11.7	172.8	303
1123167	4 G 6.0	13.0	230.4	388
1123168	5 G 6.0	14.5	288	480
1123169	7 G 6.0	16.0	403.2	626
1123172	4 G 10.0	16.2	384	601
1123173	5 G 10.0	18.1	480	735
1123177	4 G 16.0	18.8	614.4	917
1123178	5 G 16.0	21.2	768	1148
1123181	4 G 25.0	23.5	960	1418
1123182	5 G 25.0	26.4	1200	1769
1123185	4 G 35.0	26.6	1344	1905

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
 Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
 Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® CLASSIC 130 H BK 0,6/1 kV refer to page 76

Accessories

- SKINTOP® ST-HF-M refer to page 687



ÖLFLEX® CLASSIC 135 CH

Screened halogen-free control cable with improved fire characteristics



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- For use within public buildings and industrial plants

Benefits

- Easy installation due to flexible design
- Space-saving installation due to small cable diameters
- Certified for maritime applications

Application range

- Public buildings like airports or railway stations
- Plant engineering
Industrial machinery
Heating and air-conditioning systems
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
- In EMC-sensitive environments (electromagnetic compatibility)
- Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79: please see the catalogue appendix table T29

Product features

- Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)
- No flame-propagation according to IEC 60332-3-22 and IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034-2

Norm references / Approvals

- UL AWM style 21217
- Based on EN 50525-3-11
- Based on EN 50525-2-51
- Germanischer Lloyd (GL) certificate no. TAE00002RK

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Cores twisted in layers
- Halogen-free plastic foil wrapping
- Tinned-copper braiding
- Outer sheath: Special halogen-free compound, grey (similar to RAL 7001)

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description: Control cable
	Core identification code Black with white numbers acc. to VDE 0293-334
	Conductor stranding Fine wire according to VDE 0295, class 5/IEC 60228 class 5
	Minimum bending radius Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
	Nominal voltage U0/U: 300/500 V UL: 600 V
	Test voltage Core/core: 4000 V Core/screen: 2000 V
	Protective conductor G = with GN-YE protective conductor X = without protective conductor
	Temperature range Occasional flexing: -25°C to +70°C (UL: +75°C) Fixed installation: -40°C to +80°C (UL: +75°C)

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ÖLFLEX® CLASSIC 135 CH				
1123200	2 X 0.5	5.9	36	51
1123201	3 G 0.5	6.2	43	61
1123202	3 X 0.5	6.2	43	61
1123203	4 G 0.5	6.6	49	72
1123204	4 X 0.5	6.6	49	72
1123205	5 G 0.5	7.1	57	85
1123206	5 X 0.5	7.1	57	85
1123208	7 G 0.5	7.7	69	103
1123209	7 X 0.5	7.7	69	103
1123213	12 G 0.5	10.1	104	165
1123217	18 G 0.5	11.8	141	236
1123220	25 G 0.5	13.7	224	324
1123232	2 X 0.75	6.3	43	60
1123233	3 G 0.75	6.6	52	77
1123234	3 X 0.75	6.6	52	77
1123235	4 G 0.75	7.1	61	87
1123236	4 X 0.75	7.1	61	87
1123237	5 G 0.75	7.9	72	106
1123238	5 X 0.75	7.9	72	106
1123241	7 G 0.75	8.5	89	129
1123242	7 X 0.75	8.5	89	129
1123247	12 G 0.75	11.1	138	211
1123248	12 X 0.75	11.1	138	211
1123251	18 G 0.75	13.0	211	307
1123254	25 G 0.75	15.1	280	413
1123266	2 X 1.0	6.6	51	79
1123267	3 G 1.0	6.9	62	88
1123268	3 X 1.0	6.9	62	88
1123269	4 G 1.0	7.4	74	106
1123270	4 X 1.0	7.4	74	106
1123271	5 G 1.0	8.3	88	124
1123272	5 X 1.0	8.3	88	124
1123274	7 G 1.0	8.9	112	155
1123275	7 X 1.0	8.9	112	155
1123280	12 G 1.0	11.7	185	250
1123281	12 X 1.0	11.7	185	250

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1123284	18 G 1.0	14.1	268	368
1123290	25 G 1.0	16.2	354	493
1123291	25 X 1.0	16.2	354	493
1123306	2 X 1.5	7.2	65	91
1123307	3 G 1.5	7.6	82	112
1123308	3 X 1.5	7.6	82	112
1123309	4 G 1.5	8.4	100	141
1123310	4 X 1.5	8.4	100	141
1123311	5 G 1.5	9.1	119	161
1123312	5 X 1.5	9.1	119	161
1123314	7 G 1.5	10.0	154	206
1123315	7 X 1.5	10.0	154	206
1123320	12 G 1.5	13.4	268	355
1123324	18 G 1.5	15.8	373	517
1123328	25 G 1.5	18.2	530	705
1123339	2 X 2.5	8.6	96	128
1123340	3 G 2.5	9.1	118	157
1123342	4 G 2.5	10.0	147	201
1123344	5 G 2.5	11.1	176	248
1123346	7 G 2.5	12.0	253	313
1123349	12 G 2.5	16.3	385	524
1123359	3 G 4.0	10.6	178	231
1123360	4 G 4.0	11.8	248	291
1123361	5 G 4.0	13.3	269	361
1123362	7 G 4.0	14.6	371	468
1123366	3 G 6.0	12.7	240	318
1123367	4 G 6.0	14.2	343	437
1123368	5 G 6.0	15.5	441	510
1123369	7 G 6.0	17.0	510	662
1123372	4 G 10.0	17.2	495	685
1123373	5 G 10.0	19.5	592	824
1123374	7 G 10.0	21.4	820	1067
1123377	4 G 16.0	20.2	736	1036
1123378	5 G 16.0	22.6	895	1285
1123381	4 G 25.0	25.1	1129	1663
1123382	5 G 25.0	28.0	1400	1976
1123385	4 G 35.0	28.2	1546	2052

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Similar products

- ÖLFLEX® CLASSIC 110 CH refer to page 68
- ÖLFLEX® CLASSIC 128 CH BK 0,6/1 kV refer to page 75
- ÖLFLEX® CLASSIC 135 CH BK 0,6/1 kV refer to page 77

Accessories

- SKINTOP® ST-HF-M refer to page 687
- SKINTOP® MS-HF-M SC refer to page 701
- SKINTOP® MS-SC-M refer to page 695