

## ÖLFLEX® CLASSIC 135 CH

Shielded halogen-free control cable with improved fire characteristics

ÖLFLEX® CLASSIC 135 CH - halogen-free control cable, HFFR, shielded and flexible for various applications, nominal voltage 300/500V

### Info

VDE-certified

For use within public buildings and industrial plants

**New:** Extended application range

GL-certified and flexible at temperatures as low as -25°C



Interference signals



Halogen-free



Flame-retardant

### Benefits

Easy installation due to flexible design

Space-saving due to small cable diameters

Certified for maritime applications

Substitutes ÖLFLEX® 120 CH

## ÖLFLEX® CLASSIC 135 CH

### Application range

Public buildings like airports or railway stations

Plant construction

Machine building

Heating and air-conditioning systems

Particularly where human and animal life as well as valuable property are exposed to a high risk of fire hazards

In EMC-sensitive environments

(electromagnetic compatibility)

Note: For use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79 ed. 2015: 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 or IEC 60332-3-25 (flame spread on vertical cable or conductor bunch)

Halogen-free according to IEC 60754-1

(amount of halogen acidic 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 21089

Based on EN 50525-3-11

Based on EN 50525-2-51

Germanischer Lloyd (GL)

certificate no. 11 120-14 HH

### Design

Finely stranded bare copper wires

Core insulation: Halogen-free

Cores twisted in layers

Halogen-free plastic foil wrapping

Tin-plated copper braiding

Sheath made of special halogen-free compound, grey (RAL 7001)

## ÖLFLEX® CLASSIC 135 CH

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Conductor design:	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:	U <sub>0</sub> /U: 300/500 V UL: 600 V
Test voltage:	Core/Core: 4000 V Core/Shield: 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)

### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs are not to scale and do not represent detailed images of the respective products.

\* Prices are net prices without VAT and surcharges. Sale to business customers only.

**ÖLFLEX® CLASSIC 135 CH**

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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	211	307
1123254	25 G 0.75	15.1	280	413
1123266	2 X 1	6.6	51	79
1123267	3 G 1	6.9	62	88
1123268	3 X 1	6.9	62	88
1123269	4 G 1	7.4	74	106
1123270	4 X 1	7.4	74	106
1123271	5 G 1	8.3	88	124
1123272	5 X 1	8.3	88	124
1123274	7 G 1	8.9	112	155

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123275	7 X 1	8.9	112	155
1123280	12 G 1	11.7	185	250
1123281	12 X 1	11.7	185	250
1123284	18 G 1	14.1	268	368
1123290	25 G 1	16.2	354	493
1123291	25 X 1	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	154	206
1123315	7 X 1.5	10	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	147	201
1123344	5 G 2.5	11.1	176	248
1123346	7 G 2.5	12	253	313
1123349	12 G 2.5	16.3	385	524
1123359	3 G 4	10.6	178	231
1123360	4 G 4	11.8	248	291
1123361	5 G 4	13.3	269	361
1123362	7 G 4	14.6	371	468
1123366	3 G 6	12.7	240	318
1123367	4 G 6	14.2	343	437
1123368	5 G 6	15.5	441	510
1123369	7 G 6	17	510	662
1123372	4 G 10	17.2	495	685
1123373	5 G 10	19.5	592	824

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123374	7 G 10	21.4	820	1067
1123377	4 G 16	20.2	736	1036
1123378	5 G 16	22.6	895	1285
1123381	4 G 25	25.1	1129	1663
1123382	5 G 25	28	1400	1976
1123385	4 G 35	28.2	1546	2052

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