

ÖLFLEX® CLASSIC 135 CH

Screened halogen-free control cable with improved fire characteristics

ÖLFLEX® CLASSIC 135 CH -halogen-free control cable, HFFR, flexible and screened for various applications, U_0/U : 300/500V

Info

CPR: Article number choice under www.lappkabel.com/cpr

For use within public buildings and industrial plants

New: Extended application range

GL certified and cold flexible down to -25°C



Interference signals



Halogen-free



Flame-retardant

Benefits

Easy installation due to flexible design

Space-saving installation 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 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 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 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

UL Cable Flame Test

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

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)

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 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:	U ₀ /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)

Note

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 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.

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® CLASSIC 135 CH			
1123200	2 X 0.5	5.9	36
1123201	3 G 0.5	6.2	43
1123202	3 X 0.5	6.2	43
1123203	4 G 0.5	6.6	49
1123204	4 X 0.5	6.6	49
1123205	5 G 0.5	7.1	57
1123206	5 X 0.5	7.1	57
1123208	7 G 0.5	7.7	69
1123209	7 X 0.5	7.7	69
1123213	12 G 0.5	10.1	104
1123217	18 G 0.5	11.8	141
1123220	25 G 0.5	13.7	224
1123232	2 X 0.75	6.3	43
1123233	3 G 0.75	6.6	52
1123234	3 X 0.75	6.6	52
1123235	4 G 0.75	7.1	61
1123236	4 X 0.75	7.1	61
1123237	5 G 0.75	7.9	72
1123238	5 X 0.75	7.9	72
1123241	7 G 0.75	8.5	89
1123242	7 X 0.75	8.5	89
1123247	12 G 0.75	11.1	138
1123248	12 X 0.75	11.1	138
1123251	18 G 0.75	13	211
1123254	25 G 0.75	15.1	280
1123266	2 X 1	6.6	51
1123267	3 G 1	6.9	62
1123268	3 X 1	6.9	62
1123269	4 G 1	7.4	74
1123270	4 X 1	7.4	74
1123271	5 G 1	8.3	88
1123272	5 X 1	8.3	88
1123274	7 G 1	8.9	112

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 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
1123275	7 X 1	8.9	112
1123280	12 G 1	11.7	185
1123281	12 X 1	11.7	185
1123284	18 G 1	14.1	268
1123290	25 G 1	16.2	354
1123291	25 X 1	16.2	354
1123306	2 X 1.5	7.2	65
1123307	3 G 1.5	7.6	82
1123308	3 X 1.5	7.6	82
1123309	4 G 1.5	8.4	100
1123310	4 X 1.5	8.4	100
1123311	5 G 1.5	9.1	119
1123312	5 X 1.5	9.1	119
1123314	7 G 1.5	10	154
1123315	7 X 1.5	10	154
1123320	12 G 1.5	13.4	268
1123324	18 G 1.5	15.8	373
1123328	25 G 1.5	18.2	530
1123339	2 X 2.5	8.6	96
1123340	3 G 2.5	9.1	118
1123342	4 G 2.5	10	147
1123344	5 G 2.5	11.1	176
1123346	7 G 2.5	12	253
1123349	12 G 2.5	16.3	385
1123359	3 G 4	10.6	178
1123360	4 G 4	11.8	248
1123361	5 G 4	13.3	269
1123362	7 G 4	14.6	371
1123366	3 G 6	12.7	240
1123367	4 G 6	14.2	343
1123368	5 G 6	15.5	441
1123369	7 G 6	17	510
1123372	4 G 10	17.2	495
1123373	5 G 10	19.5	592

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
1123374	7 G 10	21.4	820
1123377	4 G 16	20.2	736
1123378	5 G 16	22.6	895
1123381	4 G 25	25.1	1129
1123382	5 G 25	28	1400
1123385	4 G 35	28.2	1546

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