ÖLFLEX® CLASSIC 110 CH

Screened halogen-free control cable, oil resistant and very flexible

ÖLFLEX® CLASSIC 110 CH - halogen-free control cable, HFFR, oil-resistant, screened and cold-resistant for various applications, U_0/U: 300/500V

Info
CPR: Article number choice under www.lappkabel.com/cpr
High flexibility and oil-resistance
Items with higher cross-sections on request

UV-resistant

Interference signals

Oil-resistant

Halogen-free

Good chemical resistance

Flame-retardant

Cold-resistant

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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Benefits
Easy handling and installation due to very flexible cable type
Wide application range due to excellent product features
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
Intended for use under the European Construction Product Regulation (CPR), refer to catalogue appendix T14
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)
UL Cable Flame Test
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
Oil-resistant according to EN 50363-4-1 (TM5)
and UL OIL RES I and UL OIL RES II
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

Norm references / Approvals
UL AWM style 21089
Based on EN 50525-3-11
Based on EN 50525-2-51
Germanischer Lloyd (GL)
certificate no. 11 119-14 HH

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

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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: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 300/500 V UL: 600 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -30 °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).
Single lengths for sizes: ≥ 4G50 max. 500 m
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.

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PRODUCT INFORMATION

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 110 CH U0/U: 300/500 V				
10035030	2 X 0.5	7.1	29.1	85
10035031	3 G 0.5	7.4	35.1	95
10035032	3 X 0.5	7.4	35.1	95
10035033	4 G 0.5	8	41.4	111
10035034	4 X 0.5	8	41.4	111
10035035	5 G 0.5	8.6	48	126
10035036	7 G 0.5	9.1	59.9	148
10035037	12 G 0.5	11.5	91.4	226
10035040	2 X 0.75	7.7	35.4	101
10035041	3 G 0.75	8	43.8	114
10035042	3 X 0.75	8	43.8	114
10035043	4 G 0.75	8.5	52.8	130
10035044	4 X 0.75	8.5	52.8	130
10035045	5 G 0.75	9.3	62.3	153
10035046	5 X 0.75	9.3	62.3	153
10035047	7 G 0.75	9.9	79.5	183
10035048	7 X 0.75	9.9	79.5	183
10035050	12 G 0.75	12.5	123.2	280
10035051	18 G 0.75	14.8	188.6	399
10035052	25 G 0.75	16.9	247.5	522
10035055	2 X 1	8	41.4	112
10035056	3 G 1	8.4	52.1	127
10035057	3 X 1	8.4	52.1	127
10035058	4 G 1	8.9	73.5	157
10035059	4 X 1	8.9	73.5	157
10035060	5 G 1	9.7	83.2	171
10035061	7 G 1	10.3	97.2	210
10035062	12 G 1	13.6	168.7	347
10035063	18 G 1	15.7	235.4	474
10035064	25 G 1	17.8	312	611
10035065	41 G 1	22.4	508	969
10035067	2 X 1.5	8.6	53.2	134
10035068	3 G 1.5	9	69.1	155

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10035069	3 X 1.5	9	69.1	155
10035070	4 G 1.5	9.8	85.8	186
10035071	5 G 1.5	10.5	102.8	215
10035072	7 G 1.5	11.4	134.2	269
10035073	12 G 1.5	15	232.8	445
10035074	18 G 1.5	17.4	327.8	610
10035075	25 G 1.5	20.4	463.2	843
10035089	3 G 2.5	10.5	102.8	220
10035090	4 G 2.5	11.4	129.4	265
10035091	5 G 2.5	12.7	157.5	322
10035092	7 G 2.5	14	223	422
10035093	12 G 2.5	17.9	360.5	659
10035094	4 G 4	13.6	207.6	390
10035095	5 G 4	14.9	251.5	463
10035096	7 G 4	16.2	333.9	588
10035097	4 G 6	15.8	294.8	516
10035098	5 G 6	17.3	356.1	616
10035099	7 G 6	18.8	479.3	792
10035380	4 G 10	19.1	461.1	789
10035381	5 G 10	21.4	586.6	998
10035382	4 G 16	22.3	727.6	1154
10035383	5 G 16	24.5	888.7	1389
10035384	4 G 25	27	1,123.9	1807
10035386	4 G 35	30.4	1,529.2	2321

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