ÖLFLEX® CLASSIC 110 H

Halogen-free control cable, oil resistant and very flexible

ÖLFLEX® CLASSIC 110 H - halogen-free control cable, HFFR, oil-resistant, very flexible and cold-resistant down to -30 °C for various applications, CPR

Info

CPR: Article number choice under www.lappkabel.com/cpr
High flexibility and oil-resistance
UL AWM recognized

Suitable for outdoor use

Good chemical resistance

Flame-retardant

Halogen-free

Cold-resistant

Oil-resistant

UV-resistant

Benefits

Easy handling and installation due to very flexible cable type
Wide application range due to excellent product features

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Certified for maritime applications
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

Application range

Public buildings like airports or railway stations
Plant engineering, Industrial machinery
Heating and air-conditioning systems
Stage applications
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
Suitable for outdoor use, taking into account the temperature range.

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
DNV GL certificate no. TAE0000407

Product Make-up

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

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 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: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V

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	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).
Photographs and graphics 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

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 110 H U0/U: 300/500 V				
10019900	2 X 0.5	5.1	9.6	41
10019901	3 G 0.5	5.4	14.4	49
10019902	3 X 0.5	5.4	14.4	49
10019903	4 G 0.5	5.8	19.2	58
10019904	4 X 0.5	5.8	19.2	58
10019905	5 G 0.5	6.3	24	69
10019906	7 G 0.5	6.9	33.6	87
10019907	12 G 0.5	9.1	57.6	141
10019910	2 X 0.75	5.5	14.4	51
10019911	3 G 0.75	5.8	21.6	61
10019912	3 X 0.75	5.8	21.6	61
10019913	4 G 0.75	6.3	28.8	73
10019914	4 X 0.75	6.3	28.8	73
10019915	5 G 0.75	6.9	36	87
10019916	5 X 0.75	6.9	36	87
10019917	7 G 0.75	7.5	50.4	111
10019918	7 X 0.75	7.5	50.4	111
10019919	9 G 0.75	9.6	64.8	150
10019920	12 G 0.75	10.1	86.4	186
10019921	18 G 0.75	12	129.6	265
10019922	25 G 0.75	14.1	180	365
10019960	2 X 1.0	5.8	19.2	59
10019961	3 G 1.0	6.1	28.8	72
10019962	3 X 1.0	6.1	28.8	72
10019963	4 G 1.0	6.6	38.4	87
10019964	4 X 1.0	6.6	38.4	87
10019965	5 G 1.0	7.3	48	104
10019967	7 G 1.0	8.1	67.2	138
10019968	8 G 1.0	9.7	76.8	164
10019969	12 G 1.0	10.7	115.2	225
10019970	14 G 1.0	11.4	134.4	261
10019971	18 G 1.0	12.9	172.8	328
10019972	25 G 1.0	15	240	445

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
10019973	41 G 1.0	19.2	393.6	719
10019930	2 X 1.5	6.4	28.8	76
10019931	3 G 1.5	6.8	43.2	94
10019980	3 X 1.5	6.8	43.2	94
10019932	4 G 1.5	7.4	57.6	115
10019933	5 G 1.5	8.3	72	142
10019934	7 G 1.5	9	100.8	184
10019981	8 G 1.5	10.8	115.2	218
10019982	9 G 1.5	11.6	129.6	245
10019935	12 G 1.5	12.2	172.8	308
10019936	14 G 1.5	13	201.6	357
10019937	18 G 1.5	14.6	259.2	449
10019938	25 G 1.5	17.2	360	617
10019927	34 G 1.5	19.8	489.6	821
10019944	2 X 2.5	7.6	48	113
10019945	3 G 2.5	8.3	72	146
10019946	4 G 2.5	9	96	180
10019947	5 G 2.5	10.1	120	221
10019948	7 G 2.5	11.2	168	295
10019949	12 G 2.5	15.1	288	491
10019950	4 G 4.0	10.8	153.6	268
10019951	5 G 4.0	12.1	192	328
10019952	7 G 4.0	13.4	268.8	438
10019953	4 G 6.0	13	230.4	391
10019954	5 G 6.0	14.5	288	478
10019975	7 G 6.0	16	403.2	638
10019851	4 G 10.0	16.2	384	635
10019852	5 G 10.0	18.1	480	775
10019849	4 G 16.0	18.8	614.4	930
10019853	5 G 16.0	21.2	768	1147
10019854	4 G 25.0	23.5	960	1442
10019855	5 G 25.0	26.4	1200	1773
10019856	4 G 35.0	26.6	1344	1917

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