

ÖLFLEX® CLASSIC 110 H SF

Halogen-free control cable, EN 45545-2 certified, 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, EN 45545-2 certified for railway/rolling stock application

Info

EN 45545-2 HL1, HL2, HL3

High flexibility and oil-resistance

Other sizes on request



UV-resistant



Temperature-resistant



Oil-resistant



Halogen-free



Good chemical resistance



Rail



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
EN 45545-2 certified for rolling stock applications

Application range

Railway applications
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

Product features

Flame-retardant according to IEC 60332-1-2
(flame spread on a single cable)
No flame-propagation according to 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
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

EN 45545-2 HL1, HL2, HL3
Based on EN 50525-3-11
Based on EN 50525-2-51

Product Make-up

Extra-fine wire strand made of bare copper wires
Core insulation: Halogen-free
Cores twisted in layers
Outer sheath: Special halogen-free compound, black

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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 0293-1
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 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 Fixed installation: -40°C to +80°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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Article number	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1002140	6.3	24	83
1002141	6.1	28.8	75
1002142	7.3	48	123
1002143	8.1	67.2	159
1002144	11.4	124.8	295
1002145	15.0	240	515
1002146	19.8	412.8	899
1002147	25.3	700.8	1402
1002148	6.8	43.2	96
1002149	8.3	72	163
1002150	9.0	100.8	208
1002151	13.0	187.2	394
1002152	17.2	360	704
1002153	22.6	619.2	1198
1002154	25.6	878.4	1637
1002155	8.3	72	147
1002156	10.1	120	255
1002157	11.2	168	333
1002158	11.7	172.8	321
1002159	14.5	288	541
1002160	16.0	403.2	712
1002161	18.4	480	915
1002162	22.3	768	1344
1002163	31.1	1680	2778

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