

# ÖLFLEX® CLASSIC 115 CH SF

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

ÖLFLEX® CLASSIC 115 CH SF - halogen-free control cable, HFFR, oil-resistant, screened, very flexible and cold-resistant down to -30°C, 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



Rail



Good chemical resistance



Flame-retardant



Halogen-free



Cold-resistant



Oil-resistant



Interference signals



Temperature-resistant

Last Update (24.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

# ÖLFLEX® CLASSIC 115 CH SF



UV-resistant

## 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  
Copper screening complies with EMC requirements and protects against electromagnetic interference

## 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  
In EMC-sensitive environments

## 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  
Wrapping: Halogen-free plastic foil  
Tinned-copper braiding  
Outer sheath: Special halogen-free compound, black

## 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:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class

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## ÖLFLEX® CLASSIC 115 CH SF

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Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 300/500 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: -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](http://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 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	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1002164	5 G 0.5	7.1	43.3	97
1002165	36 X 0.5	16.1	267.1	538
1002166	3 G 0.75	6.6	40.9	86
1002167	5 G 0.75	7.9	58.1	122
1002168	7 G 0.75	8.5	85.8	160
1002169	25 G 0.75	15.1	248.4	485
1002170	7 G 1.0	8.9	92.3	172
1002171	13 G 1.0	12.4	162	318
1002172	25 G 1.0	16.2	306	600
1002173	2 X 1.5	7.2	56.5	103
1002174	3 G 1.5	7.6	65.3	119
1002175	5 G 1.5	9.1	108.9	186
1002176	4 G 2.5	10.0	124.9	217
1002177	4 G 4.0	11.9	188.2	303
1002178	4 G 6.0	14.2	271.7	443
1002179	4 G 10.0	17.5	453.8	725