

ÖLFLEX® TRAIN 331 600V

Single core according to EN 50264-3-1 type M for high requirements in railway applications

ÖLFLEX® TRAIN 331 600V - single core according to EN 50264-3-1 type M, for rail vehicles/trains, 0.6/1kV, EN 45545: HL1-HL3, NF F 16-101: C/F0

Info

Meets EN 50264-3-1 type M and
EN 45545-2

High temperature resistance: -45 °C to 120 °C

Highly oil- and fuel-resistant



CE



UV-resistant



Temperature-resistant



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance



Rail



Flame-retardant

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Product Management www.lappkabel.de

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

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ÖLFLEX® TRAIN 331 600V



Cold-resistant

Benefits

- Good chemical resistance
- Resistant to mechanical influences in harsh environmental conditions
- Extended temperature range
- Reduced flame spreading for protection against damage to persons and property in the event of a fire

Application range

- For use in railway vehicles and buses, for fixed installation and applications where limited movement is to be expected
- Suitable for connecting lamps, heating equipment, switchgear, terminal boxes and power supply
- Can also be used in oily environments and areas with increased ambient temperature

Product features

Fire behaviour in accordance with EN/IEC:

- Halogen-free according to EN 60754-1
- No corrosive gases according to EN 60754-2
- No fluorine according to EN 60684-2
- No toxic gases according to EN 50305
- Low smoke density according to EN 61034-2
- Flame-retardant according to EN 60332-1-2
- No flame propagation according to EN 60332-3-24 / EN 60332-3-25 / EN 50305

Fire behaviour in accordance with NF:

- Toxicity of combustion gases according to NF X 70-100
- Low smoke density according to NF X 10-702
- No flame propagation according to NF C 32-070, cat. C1 and C2

Chemical properties:

- Oil-resistant according to EN 50264-3-1
- Fuel-resistant according to EN 50264-3-1
- Acid-resistant according to EN 50264-3-1
- Alkali-resistant according to EN 50264-3-1
- Ozone-resistant according to EN 50264-3-1/
EN 50305)

Norm references / approvals

- EN 50264-3-1 type M
- EN 45545-2 HL1, HL2, HL3
- NF F 16-101 - classification: C / F0
(flame propagation / smoke)

Design

- Tin-plated copper strand, fine-wire
- Insulation: Electron beam cross-linked polymer compound EI 109
- Colour: Black or green-yellow

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable
Conductor design:	Fine-wired according to IEC 60228 / VDE 0295, braided conductor class 5
Minimum bending radius:	Fixed installation: ≤ 12 mm: 3 x OD > 12 mm: 4 x OD Occasional flexing: ≤ 12 mm: 4 x OD > 12 mm ≤ 20 mm: 5 x OD > 20 mm: 6 x OD (OD = outer diameter)
Nominal voltage:	U ₀ /U AC 0.6/1 kV U _m AC 1.2 kV V ₀ DC 0.9 kV
Test voltage:	3,5 kV AC; 8,4 kV DC
Temperature range:	Fixed installation: -45°C to +120°C (20,000 h) Occasional flexing: -35°C to +90°C Short circuit: +200°C (5s)

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging

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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Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® TRAIN 331 600V - BK				
15331000	1	2.5	9.6	14.8
15331001	1.5	3	14.4	21.7
15331002	2.5	3.4	24	32.8
15331003	4	4.1	38.4	48.9
15331004	6	4.6	57.6	69.9
15331005	10	5.6	96	112
15331006	16	6.6	153.6	174
15331007	25	8.3	240	273
15331008	35	9.5	336	374
15331009	50	11.7	480	531
15331010	70	13.6	672	739
15331011	95	15.6	912	988
15331012	120	17.4	1152	1243
15331013	150	19.8	1440	1558
15331014	185	21.7	1776	1927
15331015	240	25.4	2304	2487
15331016	300	26.8	2880	3085
ÖLFLEX® TRAIN 331 600V - GN/YE				
15331017	1	2.5	9.6	14.8
15331018	1.5	3	14.4	21.7
15331019	2.5	3.4	24	32.8
15331020	4	4.1	38.4	48.9
15331021	6	4.6	57.6	69.9
15331022	10	5.6	96	112
15331023	16	6.6	153.6	174
15331024	25	8.3	240	273
15331025	35	9.5	336	374
15331026	50	11.7	480	531
15331027	70	13.6	672	739
15331028	95	15.6	912	988

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