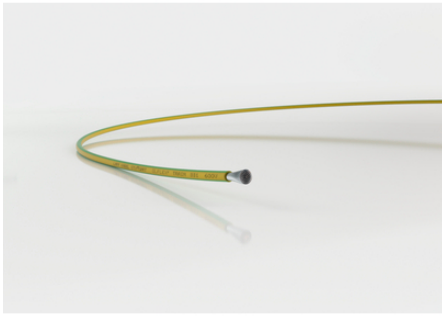
ÖLFLEX® TRAIN 331 600V

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

ÖLFLEX® TRAIN 331 600V - Single-core EN 50264-3-1 M, 0,6/1kV for high requirements in railways/rolling stock
EN 45545: HL1-HL3, NF F 16-101: C/F0, NFPA 130

Info
Meets EN 50264-3-1 type M and
EN 45545-2
High temperature resistance: -50°C up to 120°C
Also available in red and blue





CE

Rail

Good chemical resistance

Flame-retardant

Halogen-free

Cold-resistant

Mechanical resistance

Oil-resistant

Temperature-resistant

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ÖLFLEX® TRAIN 331 600V



UV-resistant

Benefits

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

Application range

For use in railway vehicles, for fixed installations and applications where limited movement may occur
Suitable for connecting lamps, heating equipment, switchgear, terminal boxes and power supply
Also applicable within oily environments and areas with increased ambient temperature

Product features

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

Fire behaviour according to NF:
- Toxicity of gases acc. to NF X 70-100
- Low smoke density acc. to NF X 10-702
- No flame propagation acc. to NF C 32-070,
Cat. C1 and C2

Chemical properties:
- Oil resistant acc. to EN 50264-3-1
- Fuel resistant acc. to EN 50264-3-1
- Acid resistant acc. to EN 50264-3-1
- Alkali resistant acc. to EN 50264-3-1
- Ozone resistant acc. to EN 50264-3-1/
EN 50305)

Current rating according to EN 50355, appendix A

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)
Compliant with NFPA 130

Product Make-up

Tinned-copper strand, fine-wire
Insulation: Electron beam cross-linked Polymer compound EI 109
Colour: Black or green-yellow
Also available in red and blue

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ÖLFLEX® TRAIN 331 600V

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable
Conductor stranding:	Fine-wired/ Finely stranded according to IEC 60228, 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:	U0/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) -50°C acc. to GOST 20.57.406-81 Occasional flexing: -35°C to +90°C Short circuit: +200°C (5s)

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.
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred
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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ÖLFLEX® TRAIN 331 600V

PRODUCT INFORMATION

Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® TRAIN 331 600V - BK				
15331000	1.0	2.5	9.6	15
15331001	1.5	3.0	14.4	22
15331002	2.5	3.4	24	33
15331003	4.0	4.1	38.4	49
15331004	6.0	4.6	57.6	70
15331005	10.0	5.6	96	112
15331006	16.0	6.6	153.6	174
15331007	25.0	8.3	240	273
15331008	35.0	9.5	336	374
15331009	50.0	11.7	480	531
15331010	70.0	13.6	672	739
15331011	95.0	15.6	912	988
15331012	120.0	17.4	1152	1243
15331013	150.0	19.8	1440	1558
15331014	185.0	21.7	1776	1927
15331015	240.0	25.4	2304	2487
15331016	300.0	26.8	2880	3085
ÖLFLEX® TRAIN 331 600V - GN/YE				
15331017	1.0	2.5	9.6	15
15331018	1.5	3.0	14.4	22
15331019	2.5	3.4	24	33
15331020	4.0	4.1	38.4	49
15331021	6.0	4.6	57.6	70
15331022	10.0	5.6	96	112
15331023	16.0	6.6	153.6	174
15331024	25.0	8.3	240	273
15331025	35.0	9.5	336	374
15331026	50.0	11.7	480	531
15331027	70.0	13.6	672	739
15331028	95.0	15.6	912	988
ÖLFLEX® TRAIN 331 600V - BU				
15331050	1.0	2.5	9.6	15
15331052	1.5	3.0	14.4	22
15331048	2.5	3.4	24	33

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15331054	4.0	4.1	38.4	49
ÖLFLEX® TRAIN 331 600V - RD				
15331049	1.0	2.5	9.6	15
15331051	1.5	3.0	14.4	22
15331047	2.5	3.4	24	33
15331053	4.0	4.1	38.4	49

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