

ÖLFLEX® TRAIN 331 600V

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

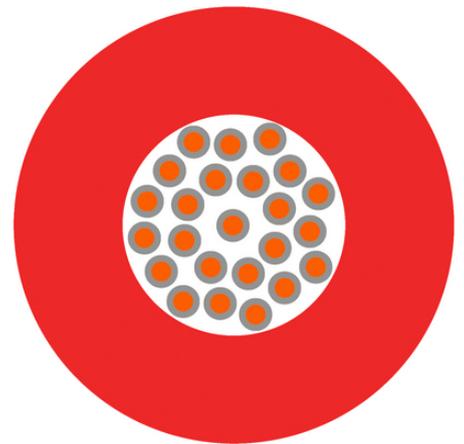
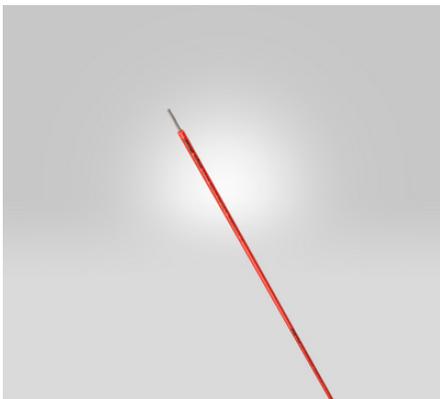
ÖLFLEX® TRAIN 331 600V - Single-core EN 50264-3-1 M, 0,6/1kV for high requirements in railways/rolling stock
EN 45545: HL1-HL3, NF F 16-101: C/F0, NFPA 130

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, blue and further colours



Rail



Good chemical resistance



Flame-retardant



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Temperature-resistant

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

PN 0456 / 02_03.16

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Benefits

Good chemical resistance please see Appendix T1

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 (item-specific, refer to data sheet):

- 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: Refer to item list

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

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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:	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) -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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Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® TRAIN 331 600V - BK					
15331065	0.5	2.1	black	4.8	9
15331066	0.75	2.3	black	7.2	12
15331000	1.0	2.5	black	9.6	15
15331001	1.5	3.0	black	14.4	22
15331002	2.5	3.4	black	24	33
15331003	4.0	4.1	black	38.4	49
15331004	6.0	4.6	black	57.6	70
15331005	10.0	5.6	black	96	112
15331006	16.0	6.6	black	153.6	174
15331007	25.0	8.3	black	240	273
15331008	35.0	9.5	black	336	374
15331009	50.0	11.7	black	480	531
15331010	70.0	13.6	black	672	739
15331011	95.0	15.6	black	912	988
15331012	120.0	17.4	black	1152	1243
15331013	150.0	19.8	black	1440	1558
15331014	185.0	21.7	black	1776	1927
15331015	240.0	25.4	black	2304	2487
15331016	300.0	26.8	black	2880	3085
ÖLFLEX® TRAIN 331 600V - GN/YE					
15331067	0.5	2.1	green/yellow	4.8	9
15331068	0.75	2.3	green/yellow	7.2	12
15331017	1.0	2.5	green/yellow	9.6	15
15331018	1.5	3.0	green/yellow	14.4	22
15331019	2.5	3.4	green/yellow	24	33
15331020	4.0	4.1	green/yellow	38.4	49
15331021	6.0	4.6	green/yellow	57.6	70
15331022	10.0	5.6	green/yellow	96	112
15331023	16.0	6.6	green/yellow	153.6	174
15331024	25.0	8.3	green/yellow	240	273
15331025	35.0	9.5	green/yellow	336	374
15331026	50.0	11.7	green/yellow	480	531
15331027	70.0	13.6	green/yellow	672	739

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15331028	95.0	15.6	green/yellow	912	988
ÖLFLEX® TRAIN 331 600V - BU					
15331074	0.5	2.1	blue	4.8	9
15331075	0.75	2.3	blue	7.2	12
15331050	1.0	2.5	blue	9.6	15
15331052	1.5	3.0	blue	14.4	22
15331048	2.5	3.4	blue	24	33
15331054	4.0	4.1	blue	38.4	49
15331076	6.0	4.6	blue	57.6	70
15331077	10.0	5.6	blue	96	112
15331078	16.0	6.6	blue	153.6	174
ÖLFLEX® TRAIN 331 600V - RD					
15331069	0.5	2.1	red	4.8	9
15331070	0.75	2.3	red	7.2	12
15331049	1.0	2.5	red	9.6	15
15331051	1.5	3.0	red	14.4	22
15331047	2.5	3.4	red	24	33
15331053	4.0	4.1	red	38.4	49
15331071	6.0	4.6	red	57.6	70
15331072	10.0	5.6	red	96	112
15331073	16.0	6.6	red	153.6	174
15331055	70.0	13.6	red	672	739
ÖLFLEX® TRAIN 331 600V - BN					
15331079	0.5	2.1	brown	4.8	9
15331080	0.75	2.3	brown	7.2	12
15331081	1.0	2.5	brown	9.6	15
15331082	1.5	3.0	brown	14.4	22
15331083	2.5	3.4	brown	24	33
15331084	4.0	4.1	brown	38.4	49
15331085	6.0	4.6	brown	57.6	70
15331086	10.0	5.6	brown	96	112
15331087	16.0	6.6	brown	153.6	174
ÖLFLEX® TRAIN 331 600V - GY					
15331106	0.5	2.1	grey	4.8	9

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Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
15331107	0.75	2.3	grey	7.2	12
15331056	1.0	2.5	grey	9.6	15
15331057	1.5	3.0	grey	14.4	22
15331058	2.5	3.4	grey	24	33
15331059	4.0	4.1	grey	38.4	49
15331062	6.0	4.6	grey	57.6	70
15331060	10.0	5.6	grey	96	112
15331061	16.0	6.6	grey	153.6	174
ÖLFLEX® TRAIN 331 600V - OG					
15331108	0.5	2.1	orange	4.8	9
15331109	0.75	2.3	orange	7.2	12
15331110	1.0	2.5	orange	9.6	15
15331111	1.5	3.0	orange	14.4	22
15331112	2.5	3.4	orange	24	33
15331113	4.0	4.1	orange	38.4	49
ÖLFLEX® TRAIN 331 600V - WH					
15331100	0.5	2.1	white	4.8	9
15331101	0.75	2.3	white	7.2	12
15331102	1.0	2.5	white	9.6	15
15331103	1.5	3.0	white	14.4	22
15331104	2.5	3.4	white	24	33
15331105	4.0	4.1	white	38.4	49
ÖLFLEX® TRAIN 331 600V - GN					
15331088	0.5	2.1	green	4.8	9
15331089	0.75	2.3	green	7.2	12
15331090	1.0	2.5	green	9.6	15
15331091	1.5	3.0	green	14.4	22
15331092	2.5	3.4	green	24	33
15331093	4.0	4.1	green	38.4	49
ÖLFLEX® TRAIN 331 600V - YE					
15331094	0.5	2.1	yellow	4.8	9
15331095	0.75	2.3	yellow	7.2	12
15331096	1.0	2.5	yellow	9.6	15
15331097	1.5	3.0	yellow	14.4	22

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Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
15331098	2.5	3.4	yellow	24	33
15331099	4.0	4.1	yellow	38.4	49
ÖLFLEX® TRAIN 331 600V - VT					
15331114	0.5	2.1	violet	4.8	9
15331115	0.75	2.3	violet	7.2	12
15331116	1.0	2.5	violet	9.6	15
15331117	1.5	3.0	violet	14.4	22
15331118	2.5	3.4	violet	24	33
15331119	4.0	4.1	violet	38.4	49

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