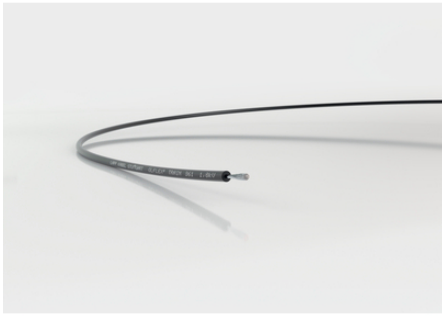
ÖLFLEX® TRAIN 361 1,8kV

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

ÖLFLEX® TRAIN 361 1,8kV - Single-core EN 50264-3-1 type M, 1,8/3kV for high requirements in railways/rolling stock
EN 45545: HL1-HL3, NF F 16-101: C/F1

Info

Meets EN 50264-3-1 type M and
EN 45545-2
High temperature resistance: -50 °C up to 120 °C
Highly oil- and fuel-resistant





- Rail
- Good chemical resistance
- Flame-retardant
- Halogen-free
- Cold-resistant
- Mechanical resistance
- Oil-resistant
- Temperature-resistant
- UV-resistant

Benefits

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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:
- 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 / F1
(flame propagation / smoke)

Product Make-up

Tinned-copper strand, fine-wire
Insulation: Electron beam cross-linked Polymer compound EI 109
Colour: Black

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

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	class 5
Minimum bending radius:	Fixed installation: ≤ 12 mm: 4 x OD / 3 x OD* > 12 mm: 5 x OD / 4 x OD* * for careful bending, once at connecting terminal
Nominal voltage:	U_0/U AC 1.8/3 kV U_m AC 3,6 kV V_0 DC 2,7 kV
Test voltage:	6,5 kV AC; 15 kV DC
Temperature range:	-40 °C to +120 °C (20.000 h) -50 °C acc. to GOST 20.57.406-81

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
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 (mm²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15361000	1.5	5.6	14.4	47.5
15361001	2.5	6.0	24	61.3
15361002	4.0	6.7	38.4	80.4
15361003	6.0	7.2	57.6	105
15361004	10.0	8.2	96	152.6
15361005	16.0	9.2	153.6	224
15361006	25.0	10.5	240	322.7
15361007	35.0	11.7	336	431
15361008	50.0	13.7	480	592.2
15361009	70.0	15.4	672	801.4
15361010	95.0	17.8	912	1,075.5
15361011	120.0	19.4	1152	1,328.9
15361012	150.0	21.4	1440	1634
15361013	185.0	23.3	1776	2,011.4
15361014	240.0	26.8	2304	2,570.5
15361015	300.0	28.0	2880	3,175.6

Last Update (25.01.2026)
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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