

ÖLFLEX® TRAIN 381 3,6kV

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

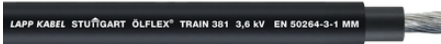
ÖLFLEX® TRAIN 381 3.6kV - single core cable according to EN 50264-3-1 type MM, for rail vehicles/trains, 3.6/6kV, EN 45545: HL1-HL3, NF F 16-101: C/F1

Info

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

High temperature resistance: -45 °C to 90 °C

Highly oil- and fuel-resistant



UV-resistant



Temperature-resistant



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance



Rail



Flame-retardant



Cold-resistant

Last Update (17.05.2017)

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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

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Benefits

- High dielectric strength and mechanical durability due to dual-layer cable construction
- 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 wiring of control cabinets, distributors, converters, motors and batteries
- 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 MM
- EN 45545-2 HL1, HL2, HL3
- NF F 16-101 - classification: C / F1
(flame propagation / smoke)

Design

- Tin-plated copper strand, fine-wire
- Insulation: Electron beam cross-linked polymer compound EI 109
- Sheath: Electron beam cross-linked polymer-compound EM 104
- Sheath colour: Black

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Power 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 3,6/6 kV U _m AC 7,2 kV V ₀ DC 5,4 kV
Test voltage:	11 kV AC; 26 kV DC
Temperature range:	Fixed installation: -45°C to +90°C 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.

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

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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)
15381000	2.5	9	24	118.1
15381001	4	9.7	38.4	145.8
15381002	6	10.2	57.6	175.7
15381003	10	11.2	96	231.7
15381004	16	12.2	153.6	302.7
15381005	25	14.5	240	445.4
15381006	35	15.7	336	565.6
15381007	50	17.7	480	747
15381008	70	19.4	672	972.1
15381009	95	21.4	912	1,249.5
15381010	120	23.4	1152	1,556.6
15381011	150	25.4	1440	1895
15381012	185	27.5	1776	2,281.1
15381013	240	31.8	2304	2,982.2
15381014	300	33	2880	3,553.6

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