

ÖLFLEX® TRAIN 350 300V

Multi-core cable according to EN 50264-3-2 type MM for high requirements in railway applications

ÖLFLEX® TRAIN 350 300V - control cable EN 50264-3-2 type MM, for rail vehicles/trains, 300/500V, EN 45545: HL1-HL3, NF F 16-101: C/F0

Info

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

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

Highly oil- and fuel-resistant



CE



UV-resistant



Temperature-resistant



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance



Rail



Flame-retardant

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

ÖLFLEX® TRAIN 350 300V



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 50264-3-2
- Fuel-resistant according to EN 50264-3-2
- Acid-resistant according to EN 50264-3-2
- Alkali-resistant according to EN 50264-3-2
- Ozone-resistant according to EN 50264-3-2/
EN 50305)

Norm references / approvals

- EN 50264-3-2 type MM
- 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
- Core colour: Black with white numbers
- Sheath: Electron beam cross-linked polymer-compound EM 104
- Sheath colour: Black

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Technical Data

| | |
|---------------------------|--|
| Classification: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Core identification code: | Black with white numbers |
| 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: 300/500 V U _m AC 600 V V ₀ DC 450 V |
| Test voltage: | 2,0 kV AC; 4,8 kV DC |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| 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.

**ÖLFLEX® TRAIN 350 300V**

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 15350000 | 2 X 1 | 5.4 | 19.2 | 54.4 |
| 15350001 | 4 X 1 | 6.2 | 38.4 | 81.4 |
| 15350002 | 7 X 1 | 7.7 | 67.2 | 128.1 |
| 15350003 | 9 X 1 | 9.6 | 86.4 | 179.4 |
| 15350004 | 12 X 1 | 10.1 | 115.2 | 203.8 |
| 15350005 | 19 X 1 | 12.1 | 182.4 | 309 |
| 15350006 | 24 X 1 | 14.4 | 230.4 | 396.4 |
| 15350007 | 32 X 1 | 15.9 | 307.2 | 520.1 |
| 15350008 | 37 X 1 | 16.7 | 355.2 | 580.1 |
| 15350009 | 40 X 1 | 17.8 | 384 | 643.9 |
| 15350010 | 4 X 1.5 | 7.6 | 57.6 | 116.2 |
| 15350011 | 7 X 1.5 | 9.2 | 100.8 | 184 |
| 15350012 | 9 X 1.5 | 11.7 | 129.6 | 272.6 |
| 15350013 | 12 X 1.5 | 12.4 | 172.8 | 301.8 |
| 15350014 | 19 X 1.5 | 15 | 273.6 | 472.9 |
| 15350015 | 24 X 1.5 | 17.3 | 345.6 | 576.5 |
| 15350016 | 32 X 1.5 | 19.6 | 460.8 | 777.6 |
| 15350017 | 37 X 1.5 | 20.6 | 532.8 | 879.4 |
| 15350018 | 4 X 2.5 | 8.6 | 96 | 168.5 |
| 15350019 | 7 X 2.5 | 10.6 | 168 | 269.8 |
| 15350020 | 9 X 2.5 | 13.7 | 216 | 401.7 |
| 15350021 | 12 X 2.5 | 14.5 | 288 | 460.2 |
| 15350022 | 19 X 2.5 | 17 | 456 | 679.6 |
| 15350023 | 24 X 2.5 | 20.1 | 576 | 879.2 |

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