

## 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 MM, 300/500V for high requirements in railways/rolling stock  
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: -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

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

PN 0456 / 02\_03.16

## ÖLFLEX® TRAIN 350 300V



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 and buses, for fixed installations and applications where limited movement may occur
- Suitable for connecting lamps, heating equipment, switchgear, terminal boxes and power supply
- For use in railway vehicles, for fixed installations and applications where limited movement may occur

### 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 50264-3-2
- Fuel resistant acc. to EN 50264-3-2
- Acid resistant acc. to EN 50264-3-2
- Alkali resistant acc. to EN 50264-3-2
- Ozone resistant acc. to EN 50264-3-2/ EN 50305)

Current rating according to EN 50355, appendix A

### 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)

### Product Make-up

- Tinned-copper strand, fine-wire
- Insulation: Electron beam cross-linked Polymer compound EI 109
- Colour of insulation: Black with white numbers
- Outer sheath: electron beam cross-linked polymer-compound EM 104
- Outer sheath colour: Black

## ÖLFLEX® TRAIN 350 300V

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers
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 <sub>0</sub> /U: 300/500 V U <sub>m</sub> AC 600 V V <sub>0</sub> 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 +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.

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

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

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	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15350000	2 X 1.0	5.4	19.2	54.4
15350001	4 X 1.0	6.2	38.4	81.4
15350002	7 X 1.0	7.7	67.2	128.1
15350003	9 X 1.0	9.6	86.4	179.4
15350004	12 X 1.0	10.1	115.2	203.8
15350005	19 X 1.0	12.1	182.4	309
15350006	24 X 1.0	14.4	230.4	396.4
15350007	32 X 1.0	15.9	307.2	520.1
15350008	37 X 1.0	16.7	355.2	580.1
15350009	40 X 1.0	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	15.0	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	17.0	456	679.6
15350023	24 X 2.5	20.1	576	879.2

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