

ÖLFLEX® TRAIN 301 TW 300V

Single core according to EN 50306-2 type M for high requirements in railway applications

ÖLFLEX® TRAIN 301 TW-E 300V - single core according to EN 50306-2 type M, 300/500V for rail vehicles/trains, EN 45545: HL1-HL3, NF F 16-101: C/F0

Info

Meets EN 50306-2 type M and
EN 45545-2

High temperature resistance: -45 °C to +125 °C

Highly oil- and fuel-resistant

LAPP KABEL STUTTGART ÖLFLEX® TRAIN 301 TW 300V EN 50306-2 M

CE



UV-resistant



Temperature-resistant



Space requirement



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance



Rail

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Product Management www.lappkabel.de

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

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ÖLFLEX® TRAIN 301 TW 300V



Flame-retardant



Cold-resistant

Benefits

Reduced insulation wall thickness, therefore a space-saving installation

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 and protected installation and applications where limited movement is to be expected

Suitable for use in switchboards and control panels of trains and locomotives

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 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 50306
- Fuel-resistant according to EN 50306
- Acid-resistant according to EN 50306
- Alkali-resistant according to EN 50306
- Ozone-resistant according to EN 50306

Norm references / approvals

EN 50306-2, type M

EN 45545-2 HL1, HL2, HL3

NF F 16-101 - classification: C / F0

(flame propagation / smoke)

Design

Tin-plated copper strand, 19- or 37-wire, SRC (Special Round Conductor)

Insulation: Electron beam cross-linked polymer compound according to EN 50306

Core colour: white

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable
Conductor design:	SRC (special round conductor) 19- or 37-wire according to EN 50306-1
Minimum bending radius:	Fixed installation: 4 x OD 3 x OD for careful bending, once at connecting terminal Occasional flexing: 5 x OD (OD = outer diameter)
Nominal voltage:	U ₀ /U AC 300/500 V U _m AC 550 V V ₀ DC 410 V Fixed installation: 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 +125°C (20,000 h) Occasional flexing: -35°C to +105°C Short circuit: +160°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.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

Please specify the preferred packaging

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)
15301000	0.5	1.3	4.8	5.83
15301001	0.75	1.5	7.2	8.45
15301002	1	1.6	9.6	10.99
15301003	1.5	2.1	14.4	16.63
15301004	2.5	2.7	24.4	28.04

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