

ÖLFLEX® TRAIN 355 C 300V

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

ÖLFLEX® TRAIN 355 C 300V - control cable shielded according to EN 50264-3-2 type MM S, for rail vehicles/trains, 300/500V, EN 45545: HL1-HL3, NF F 16-101: C/F0

Info

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

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

Highly oil- and fuel-resistant

LAPP KABEL STUTTGART ÖLFLEX® TRAIN 355 C 300 V EN 50264-3-2 MM S

CE



UV-resistant



Temperature-resistant



Interference signals



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.

PN 0456 / 02_03.16

ÖLFLEX® TRAIN 355 C 300V



Flame-retardant



Cold-resistant

Benefits

Copper shielding complies with EMC requirements and protects against electromagnetic interference
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 S
EN 45545-2 HL1, HL2, HL3
NF F 16-101 - classification: C / F0
(flame propagation / smoke)

ÖLFLEX® TRAIN 355 C 300V

Design

Conductor: Finely stranded wire made of tin-plated copper
Insulation: Electron beam cross-linked polymer compound EI 109
Core colour: Black with white numbers
Wrapping: Halogen-free plastic film
Shield: Tin-plated copper braiding
Sheath: Electron beam cross-linked polymer-compound EM 104
Sheath colour: Black

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:	Core/core: 2 kV AC; 4,8 kV DC Core/screen: 2 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 355 C 300V**

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15355000	2 X 1	6.2	39.27	71.4
15355001	4 X 1	7.2	64.06	108.5
15355002	7 X 1	8.5	97.15	152
15355003	9 X 1	10.8	137.41	234.1
15355004	12 X 1	11.3	170.09	257.7
15355005	19 X 1	13.7	261.77	395
15355006	24 X 1	15.6	324.51	482.2
15355007	32 X 1	17.1	411.92	605.9
15355008	37 X 1	17.9	471.56	685.9
15355009	40 X 1	19.4	510.27	777.3
15355010	4 X 1.5	8.4	86.8	145.1
15355011	7 X 1.5	10.2	150.51	224
15355012	9 X 1.5	13.1	191.37	336
15355013	12 X 1.5	13.8	240	371.1
15355014	19 X 1.5	16.2	369.09	547.8
15355015	24 X 1.5	18.9	463.04	697.9
15355016	32 X 1.5	20.8	591.57	891.5
15355017	37 X 1.5	21.8	664.73	993.6
15355018	4 X 2.5	9.6	153.75	219.6
15355019	7 X 2.5	11.6	224.75	311.4
15355020	9 X 2.5	14.9	309.28	478.1
15355021	12 X 2.5	15.7	382.12	529.9
15355022	19 X 2.5	18.6	573.02	794.6
15355023	24 X 2.5	21.3	718.82	999.1

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