ÖLFLEX® TRAIN 340 600V

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

ÖLFLEX® TRAIN 340 600V - control cable according to EN 50264-3-2 type MM, for rail vehicles/trains, 0.6/1kV, 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

UV-resistant

Temperature-resistant

Oil-resistant

Mechanical resistance

Halogen-free

Good chemical resistance

Rail

Flame-retardant

Last Update (17.05.2017)

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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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 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
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 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 (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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PRODUCT INFORMATION

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15340000	2 X 1.5	7.4	28.8	94.1
15340001	3 X 1.5	7.9	43.2	113.5
15340025	3 G 1.5	7.9	43.2	113.5
15340002	4 X 1.5	8.6	57.6	139.6
15340026	4 G 1.5	8.6	57.6	139.6
15340003	2 X 2.5	8.2	48	127.4
15340004	3 X 2.5	8.7	72	156.9
15340027	3 G 2.5	8.7	72	156.9
15340005	4 X 2.5	9.6	96	195
15340028	4 G 2.5	9.6	96	195
15340006	2 X 4	9.6	76.8	178.5
15340007	3 X 4	10.2	115.2	222.9
15340008	4 X 4	11.4	153.6	284.5
15340009	2 X 6	10.8	115.2	244.2
15340010	3 X 6	11.5	172.8	308
15340011	4 X 6	13	230.4	393.4
15340012	2 X 10	13.2	192	377.3
15340013	3 X 10	14	288	479.6
15340014	4 X 10	15.4	384	604
15340015	2 X 16	15.2	307.2	551.9
15340016	3 X 16	16.2	460.8	708
15340017	4 X 16	18.2	614.4	916.2
15340018	2 X 25	19	480	857
15340019	3 X 25	20.2	720	1,101.5
15340020	4 X 25	22.7	960	1,420.9
15340021	2 X 35	21.4	672	1,140.9
15340022	3 X 35	23	1008	1,488.8
15340023	2 X 50	26.2	960	1,626.5
15340024	3 X 50	28	1440	2,101.1

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