

ÖLFLEX® TRAIN 355 C 300V

Screened 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 screened EN 50264-3-2 MM S 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 S 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



Interference signals

Last Update (02.09.2020)

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

PN 0456 / 02_03.16

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Temperature-resistant



UV-resistant

Benefits

- Copper screening 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 increases the protection against damage to persons and property in the event of a fire

Application range

- For use in railway vehicles, for fixed installations and applications where limited movement may occur
- Suitable for connecting lamps, heating equipment, switchgear, terminal boxes and power supply
- Also applicable within oily environments and areas with increased ambient temperature

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 S
- EN 45545-2 HL1, HL2, HL3
- NF F 16-101 - Classification: C / F0 (flame propagation / smoke)

Product Make-up

- Conductor: Fine-wire strands of tinned copper
- Insulation: Electron beam cross-linked Polymer compound EI 109
- Colour of insulation: Black with white numbers

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Wrapping: Halogen-free plastic foil
 Screen: Tinned-copper braiding
 Outer sheath: electron beam cross-linked polymer-compound EM 104
 Outer sheath colour: Black

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 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 +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 ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15355000	2 X 1.0	6.2	39.27	71.4
15355001	4 X 1.0	7.2	64.06	108.5
15355002	7 X 1.0	8.5	97.15	152
15355003	9 X 1.0	10.8	137.41	234.1
15355004	12 X 1.0	11.3	170.09	257.7
15355005	19 X 1.0	13.7	261.77	395
15355006	24 X 1.0	15.6	324.51	482.2
15355007	32 X 1.0	17.1	411.92	605.9
15355008	37 X 1.0	17.9	471.56	685.9
15355009	40 X 1.0	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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