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

Last Update (13.07.2020)
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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

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

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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:
- U0/U: 300/500 V
- U_{nm} AC 600 V
- V_{p} 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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