

## ÖLFLEX® TRAIN HT 150 FF 3,6kV

Single-core cable according to EN 50382-2 type FF for high requirements in railway applications

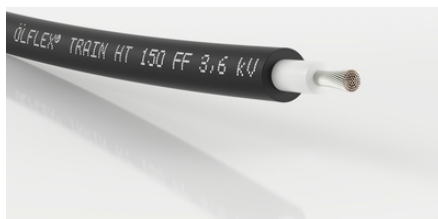
ÖLFLEX® TRAIN HT 150 FF 3,6kV - Single-core cable EN 50382-2 type FF, 3,6/6kV, 150°C, for use in railways/rolling stock  
EN 45545: HL1-HL3

### Info

Meets EN 50382-2 type FF and  
EN 45545-2

High temperature resistance: -40°C up to +150°C

Highly oil- and fuel-resistant



Rail



Good chemical resistance



Flame-retardant



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Temperature-resistant



UV-resistant

### Benefits

Last Update (23.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® TRAIN HT 150 FF 3,6kV

Good flexibility - easy installation with tight space requirements

Good chemical resistance please see Appendix T1

For high ambient temperatures

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 wiring of control cabinets, distributors, converters, motors and batteries

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

Chemical properties:

- Oil resistant acc. to EN 50382-2
- Acid resistant acc. to EN 50382-2
- Alkali resistant acc. to EN 50382-2
- Ozone resistant acc. to EN 50382-2

Current rating according to EN 50355, appendix A

### Norm references / Approvals

EN 50382-2 type FF

EN 45545-2 HL1, HL2, HL3

### Product Make-up

Tinned-copper strand, fine-wire

Insulation: Silicone rubber compound, type EI 111

Wrapping: Halogen-free plastic foil (optional)

Outer sheath: Silicone rubber compound, type EM 107

Outer sheath colour: Black

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000057

ETIM 5.0 Class-Description: Low voltage power cable

Conductor stranding:

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius:

Fixed installation: 3 x outer diameter

Occasional flexing:

5 x outer diameter

Nominal voltage:

$U_0/U$  AC 3,6/6 kV

$U_m$  AC 7,2 kV

$V_0$  DC 5,4 kV

Test voltage:

11 kV AC; 26 kV DC

Temperature range:

-40 °C to +150 °C

Last Update (23.04.2024)

©2024 Lapp Group - Technical changes reserved

Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® TRAIN HT 150 FF 3,6kV

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Packaging size: coil  $\leq 30$  kg or  $\leq 250$  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.

**ÖLFLEX® TRAIN HT 150 FF 3,6kV**

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 15382060       | 1 X 2.5                                           | 10.8                | 24                   | 122            |
| 15382061       | 1 X 4.0                                           | 11.3                | 38.4                 | 143            |
| 15382062       | 1 X 6.0                                           | 11.9                | 57.6                 | 167            |
| 15382063       | 1 X 10.0                                          | 12.8                | 96                   | 217            |
| 15382064       | 1 X 16.0                                          | 13.9                | 153.6                | 291            |
| 15382065       | 1 X 25.0                                          | 16.0                | 240                  | 403            |
| 15382066       | 1 X 35.0                                          | 17.3                | 336                  | 503            |
| 15382067       | 1 X 50.0                                          | 19.0                | 480                  | 668            |
| 15382068       | 1 X 70.0                                          | 20.8                | 672                  | 867            |
| 15382069       | 1 X 95.0                                          | 22.6                | 912                  | 1110           |
| 15382070       | 1 X 120.0                                         | 24.3                | 1152                 | 1343           |
| 15382071       | 1 X 150.0                                         | 26.2                | 1440                 | 1621           |
| 15382072       | 1 X 185.0                                         | 28.7                | 1776                 | 2004           |
| 15382073       | 1 X 240.0                                         | 31.9                | 2304                 | 2555           |