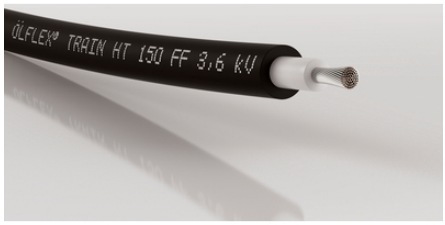
# ÖLFLEX® TRAIN HT 150 FF 3,6kV

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 (02.11.2020)

Product Management 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
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<br>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<br>Occasional flexing:<br>5 x outer diameter |
| Nominal voltage: | $U_0$/U AC 3,6/6 kV<br>$U_m$ AC 7,2 kV<br>$V_0$ DC 5,4 kV |
| Test voltage: | 11 kV AC; 26 kV DC |
| Temperature range: | -40 °C to +150 °C |

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**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 ≤ 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 mm² 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 |