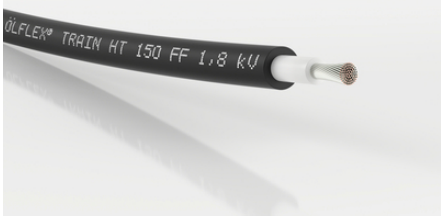
ÖLFLEX® TRAIN HT 150 FF 1,8kV

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

ÖLFLEX® TRAIN HT 150 FF 1,8kV - Single-core cable EN 50382-2 type FF, 1,8/3kV, 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

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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 1.8/3 kV U_m AC 3,6 kV V_0 DC 2,7 kV
Test voltage:	6,5 kV AC; 15 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)
15382040	1 X 1.5	7.4	14.4	63
15382041	1 X 2.5	7.8	24	76
15382042	1 X 4.0	8.4	38.4	93
15382043	1 X 6.0	8.9	57.6	115
15382044	1 X 10.0	10.2	96	168
15382047	1 X 35.0	14.8	336	432
15382048	1 X 50.0	16.3	480	583
15382050	1 X 95.0	20.6	912	1039
15382051	1 X 120.0	22.6	1152	1276
15382052	1 X 150.0	24.2	1440	1539
15382053	1 X 185.0	26.6	1776	1871
15382054	1 X 240.0	29.4	2304	2417

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