

15382020	<b>DATA SHEET</b>	
Valid from: 10.12.2018	<b>ÖLFLEX® TRAIN HT 150 F 3,6kV</b>	

## Application

ÖLFLEX® TRAIN HT 150 F 3,6kV are single core silicone rubber insulated high temperature cables for railway rolling stock, having special fire performance.  
They are designed for fixed installation and for applications, where limited movement may occur. They are particularly used in areas, where human and animal life as well as valuable property are exposed to high risk of fire hazards.  
ÖLFLEX® TRAIN HT 150 F 3,6kV are ozone-, oil-, acid and alkali-resistant according to EN 50382-2.

Application range:

Railway vehicles: Wiring of control cabinets, distributors, converters, motors and batteries

## Design

Design/type-standard	according to EN 50382-2, 3600V, code designation F F = low temperature resistant, oil-resistant
Classification	EN 45545-2: Hazard Level HL1, HL2, HL3
Conductor	fine wire strands of tinned copper acc. to IEC/EN 60228 resp. VDE 0295, Class 5
Separator	semi-conductive tape, black
Core insulation	silicone compound type EI 111 according to EN 50382-2
Core identification	black

## Electrical properties

Nominal voltage	$U_0/U$ : 3,6/6 kV AC
Max. permissible operating voltage	$U_m$ : 7,2 kV AC $V_0$ : 5,4 kV DC
Test voltage	core / core: 11 kV AC; 26 kV DC

## Mechanical and thermal properties

Min. bending radius	fixed installation: 3 x cable diameter occasional flexing: 5 x cable diameter
Temperature range	-40 °C to +150 °C max. conductor temperature
Short circuit temperature	max. +250 °C (5s)

## Fire protection according to EN 50382-2 / EN 45545:

Classification	EN 45545-2: Hazard Level HL1, HL2, HL3
Flammability	acc. to EN 60332-1-2 resp. VDE 0482-332-1-2
No flame propagation acc. to	$\geq 12$ mm: EN 60332-3-24 / VDE 0482-332-3-24 > 6 mm and < 12mm: EN 60332-3-25 / VDE 0482-332-3-25
Smoke density	acc. to EN 50382-1, light transmission: min. 70% acc. to IEC/EN 61034-2

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