

## ÖLFLEX® TRAIN 4GKW

Einadrige 1,8kV Starkstromleitung für erhöhte Anforderungen im Bahnbereich

ÖLFLEX® TRAIN 4GKW - Einzeladerleitung Typ OM, für Schienenfahrzeuge/Bahn, 1,8/3kV, EN 45545: HL1-HL3, BS 6853



### Benefits

High flexibility and slim diameters enable small bending radii at fixed installation

Resistant to mechanical influences in harsh environmental conditions

Expanded temperature range

Excellent chemical resistance and high Flammability rating as well

Reduced formation of toxic gases and fire spreading in the event of fire increase the protection against damage to persons and property

### Application range

For fixed and protected installations inside or outside of railed vehicles and busses

For connection of stationary and moving parts

Suitable for cabling of switchboards, converters, panel units and rheostatic braking blocks

### Product features

Halogen-free (IEC 60754-1) & No corrosive gases (IEC 60754-2)

No toxic gases (EN 50305, BS 6853)

Low smoke density (IEC 61034-2)

Flame retardant (IEC 60332-1-2)

No fire spreading (EN 50305, BS6853)

### Norm references / Approvals

EN 50264-3-1, type M

BS 6853 ( Interior use Ia, Ib,II & Exterior use Ia, Ib,II)

EN 45545-2 HL1, HL2, HL3

Compliant with NFPA 130

### Product Make-up

Conductor : Tinned copper strand, fine wired

Inner Insulation : Electron beam cross-linked polyolefin copolymer, Natural colour

Outer Insulation : Electron beam cross-linked polyolefin copolymer

Outer Insulation colour : Black or green-yellow

### Technical Data

Last Update (08.10.2020)

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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 4GKW

Temperature range:	Fixed installation : -40°C up to +125°C max. Occasional flexing : -35°C up to +90°C max.
Minimum bending radius:	Fixed installation : $\leq 12\text{ } \square$ : 4 x OD / 3 x OD*, $> 12\text{ } \square$ : 5 x OD / 4 x OD*, * for careful bending, once at connecting terminal
Nominal voltage:	U0/U AC 1.8 / 3.0 kV, Um AC 3.6kV, Vo DC 2.7kV
Conductor stranding:	Fine wired acc. to IEC 60228 class 5
Test voltage:	6.5kV AC

### Note

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Packaging: Ring  $\leq 30$  kg or  $\leq 250$  m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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 mm <sup>2</sup> per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
85165001	1 X 1.5	3.6	black	14.4	25
85165002	1 X 2.5	4.0	black	24	35
85165003	1 X 4.0	4.6	black	38.4	50
85165004	1 X 6.0	5.3	black	-	71
85165005	1 X 10.0	6.5	black	96	117
85165006	1 X 16.0	8.5	black	153.6	193
85165007	1 X 25.0	10.3	black	240	290
85165008	1 X 35.0	11.9	black	336	401
85165009	1 X 50.0	14.3	black	480	572
85165010	1 X 70.0	16.2	black	672	771
85165011	1 X 95.0	18.1	black	912	1011
85165012	1 X 120.0	20.4	black	1152	1270
85165013	1 X 150.0	22.2	black	1440	1536
85165014	1 X 185.0	24.6	black	1776	1908
85165015	1 X 240.0	27.5	black	2304	2443
85165016	1 X 300.0	30.6	black	2880	3066
85165020	1 X 1.5	3.6	green-yellow	14.4	25
85165021	1 X 2.5	4.0	green-yellow	24	35
85165022	1 X 4.0	4.6	green-yellow	38.4	50
85165023	1 X 6.0	5.3	green-yellow	57.6	71
85165024	1 X 10.0	6.5	green-yellow	96	117
85165025	1 X 16.0	8.5	green-yellow	153.6	193
85165026	1 X 25.0	10.3	green-yellow	240	290
85165027	1 X 35.0	11.9	green-yellow	336	401
85165028	1 X 50.0	14.3	green-yellow	480	572
85165029	1 X 70.0	16.2	green-yellow	672	771
85165030	1 X 95.0	18.1	green-yellow	912	1011

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