

Rolling Stock



# ÖLFLEX® TRAIN 4GKW



**Info**

- Meets EN 50264-3-1 type OM
- High temperature resistance : -40°C up to +125°C
- Highly oil- and fuel-resistant

### 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 buses
- 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 OM
- BS 6853 ( Interior use Ia, Ib, & Exterior use Ia, Ib, )
- 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

- Conductor stranding**  
Fine wired acc. to IEC 60228 class 5
- Minimum bending radius**  
Fixed installation :  $\leq 12 : 4 \times OD / 3 \times OD^*$ ,  $> 12 : 5 \times OD / 4 \times OD^*$ , \* for careful bending, once at connecting terminal
- Nominal voltage**  
 $U_0/U_{AC} 1.8 / 3.0$  kV,  $U_m$  AC 3.6kV,  $V_o$  DC 2.7kV
- Temperature range**  
Fixed installation : -40°C up to +125°C max.  
Occasional flexing : -35°C up to +90°C max.

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX TRAIN 4GKW</b>					
85165001	1 X 1.5	3.6	black	14.4	25
85165002	1 X 2.5	4.0	black	24.0	35
85165003	1 X 4	4.6	black	38.4	50
85165004	1 X 6	5.3	black	57.6	71
85165005	1 X 10	6.5	black	96.0	117
85165006	1 X 16	8.5	black	153.6	193
85165007	1 X 25	10.3	black	240.0	290
85165008	1 X 35	11.9	black	336.0	401
85165009	1 X 50	14.3	black	480.0	572
85165010	1 X 70	16.2	black	672.0	771
85165011	1 X 95	18.1	black	912.0	1,011
85165012	1 X 120	20.4	black	1,152.0	1,270
85165013	1 X 150	22.2	black	1,440.0	1,536
85165014	1 X 185	24.6	black	1,776.0	1,908
85165015	1 X 240	27.5	black	2,304.0	2,443
85165016	1 X 300	30.6	black	2,880.0	3,066
85165017	1 X 400	34.3	black	3,840.0	4,018
85165020	1 X 1.5	3.6	green-yellow	14.4	25
85165021	1 X 2.5	4.0	green-yellow	24.0	35
85165022	1 X 4	4.6	green-yellow	38.4	50
85165023	1 X 6	5.3	green-yellow	57.6	71
85165024	1 X 10	6.5	green-yellow	96.0	117
85165025	1 X 16	8.5	green-yellow	153.6	193
85165026	1 X 25	10.3	green-yellow	240.0	290
85165027	1 X 35	11.9	green-yellow	336.0	401
85165028	1 X 50	14.3	green-yellow	480.0	572
85165029	1 X 70	16.2	green-yellow	672.0	771
85165030	1 X 95	18.1	green-yellow	912.0	1,011
85165031	1 X 120	20.4	green-yellow	1,152.0	1,270
85165032	1 X 150	22.2	green-yellow	1,440.0	1,536
85165033	1 X 185	24.6	green-yellow	1,776.0	1,908
85165034	1 X 240	27.5	green-yellow	2,304.0	2,443
85165035	1 X 300	30.6	green-yellow	2,880.0	3,066
85165036	1 X 400	34.3	green-yellow	3,840.0	4,018

• If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.  
 • Photographs are not to scale and do not represent detailed images of the respective products.

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