

Rolling Stock



ÖLFLEX® TRAIN 4GKW HF



Info

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

Benefits

- More improved high flexibility than 4GKW and slim diameters enable small bending radii at fixed installation
- Easy to strip and to dismantle & Expanded temperature range
- Resistant to mechanical influences in harsh environmental conditions
- 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
- For carrying energy between cars

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,)
- BS 6853 (Interior use Ia, Ib, & Exterior use Ia, Ib,)
- Compliant with NFPA 130

Product Make-up

- Conductor : Tinned copper strand, Super 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 6

Minimum bending radius
Fixed installation : 4 x OD, 3 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

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 ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX TRAIN 4GKW HF					
85 165201	1 X 6	5.6	black	57.6	77
85 165202	1 X 10	6.9	black	96.0	125
85 165203	1 X 16	8.5	black	153.6	193
85 165204	1 X 25	10.2	black	240.0	292
85 165205	1 X 35	11.9	black	336.0	390
85 165206	1 X 50	14.3	black	480.0	568
85 165207	1 X 70	16.4	black	672.0	780
85 165208	1 X 95	18.3	black	912.0	1,004
85 165209	1 X 120	20.7	black	1,152.0	1,282
85 165210	1 X 150	22.5	black	1,440.0	1,557
85 165211	1 X 185	24.3	black	1,776.0	1,899
85 165212	1 X 240	27.2	black	2,304.0	2,423
85 165213	1 X 300	30.2	black	2,880.0	3,028
85 165214	1 X 400	34.6	black	3,840.0	3,999
85 165221	1 X 6	5.6	green-yellow	57.6	77
85 165222	1 X 10	6.9	green-yellow	96.0	125
85 165223	1 X 16	8.5	green-yellow	153.6	193
85 165224	1 X 25	10.2	green-yellow	240.0	292
85 165225	1 X 35	11.9	green-yellow	336.0	390
85 165226	1 X 50	14.3	green-yellow	480.0	568
85 165227	1 X 70	16.4	green-yellow	672.0	780
85 165228	1 X 95	18.3	green-yellow	912.0	1,004
85 165229	1 X 120	20.7	green-yellow	1,152.0	1,282
85 165230	1 X 150	22.5	green-yellow	1,440.0	1,557
85 165231	1 X 185	24.3	green-yellow	1,776.0	1,899
85 165232	1 X 240	27.2	green-yellow	2,304.0	2,423
85 165233	1 X 300	30.2	green-yellow	2,880.0	3,028
85 165234	1 X 400	34.6	green-yellow	3,840.0	3,999

• 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.

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SKINTOP® SILVYN® FLEXIMARK® ACCESSORIES APPENDIX