

Rolling Stock



ÖLFLEX® TRAIN 3GKW SC



Benefits

- Easy to strip and to dismantle
- Resistant to mechanical influences in harsh environmental conditions
- Expanded temperature range
- 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
- Suitable for the connection of fixed and moving objects such as lamps, heating, electrical equipment, wiring of vehicles, terminal boxes and power supply

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, & Exterior use Ia, Ib,)
- EN 45545-2 HL1, HL2, HL3
- Compliant with NFPA 130

Product Make-up

- Conductor : Tinned copper strand, fine wired
- Insulation : Electron beam cross-linked polyolefin copolymer
- Colour : Grey , Black or Green-yellow

Info

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

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
U₀/U AC 0.6 / 1.0 kV, Um AC 1.2kV, Vo DC 0.9kV

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 3GKW SC					
85163001	1 X 0.5	2.1	grey	4.8	8
85163002	1 X 0.75	2.3	grey	7.2	11
85163003	1 X 1.0	2.5	grey	9.6	14
85163004	1 X 1.5	3.0	grey	14.4	20
85163005	1 X 2.5	3.4	grey	24.0	30
85163006	1 X 4	4.0	grey	38.4	44
85163007	1 X 6	4.5	grey	57.6	63
85163008	1 X 10	5.5	grey	96.0	104
85163009	1 X 16	7.2	grey	153.6	168
85163010	1 X 25	8.9	grey	240.0	260
85163011	1 X 35	10.3	grey	336.0	363
85163012	1 X 50	12.4	grey	480.0	515
85163013	1 X 70	14.5	grey	672.0	716
85163014	1 X 95	16.4	grey	912.0	952
85163015	1 X 120	18.3	grey	1,152.0	1,187
85163016	1 X 150	20.4	grey	1,440.0	1,467
85163017	1 X 185	22.8	grey	1,776.0	1,832
85163018	1 X 240	25.9	grey	2,304.0	2,376
85163019	1 X 300	28.9	grey	2,880.0	2,982
85163020	1 X 0.5	2.1	black	4.8	8
85163021	1 X 0.75	2.3	black	7.2	11
85163022	1 X 1.0	2.5	black	9.6	14
85163023	1 X 1.5	3.0	black	14.4	20
85163024	1 X 2.5	3.4	black	24.0	30
85163025	1 X 4	4.0	black	38.4	44
85163026	1 X 6	4.5	black	57.6	63
85163027	1 X 10	5.5	black	96.0	104
85163028	1 X 16	7.2	black	153.6	168

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
85163029	1 X 25	8.9	black	240.0	260
85163030	1 X 35	10.3	black	336.0	363
85163031	1 X 50	12.4	black	480.0	515
85163032	1 X 70	14.5	black	672.0	716
85163033	1 X 95	16.4	black	912.0	952
85163034	1 X 120	18.3	black	1,152.0	1,187
85163035	1 X 150	20.4	black	1,440.0	1,467
85163036	1 X 185	22.8	black	1,776.0	1,832
85163037	1 X 240	25.9	black	2,304.0	2,376
85163038	1 X 300	28.9	black	2,880.0	2,982
85163039	1 X 0.5	2.1	green-yellow	4.8	8
85163040	1 X 0.75	2.3	green-yellow	7.2	11
85163041	1 X 1.0	2.5	green-yellow	9.6	14
85163042	1 X 1.5	3.0	green-yellow	14.4	20
85163043	1 X 2.5	3.4	green-yellow	24.0	30
85163044	1 X 4	4.0	green-yellow	38.4	44
85163045	1 X 6	4.5	green-yellow	57.6	63
85163046	1 X 10	5.5	green-yellow	96.0	104
85163047	1 X 16	7.2	green-yellow	153.6	168
85163048	1 X 25	8.9	green-yellow	240.0	260
85163049	1 X 35	10.3	green-yellow	336.0	363
85163050	1 X 50	12.4	green-yellow	480.0	515
85163051	1 X 70	14.5	green-yellow	672.0	716
85163052	1 X 95	16.4	green-yellow	912.0	952
85163053	1 X 120	18.3	green-yellow	1,152.0	1,187
85163054	1 X 150	20.4	green-yellow	1,440.0	1,467
85163055	1 X 185	22.8	green-yellow	1,776.0	1,832
85163056	1 X 240	25.9	green-yellow	2,304.0	2,376
85163057	1 X 300	28.9	green-yellow	2,880.0	2,982

• 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.