

RADOX® 9 GKW-AX 3600V MM S

halogen-free, compact double insulated single core cable, screened



Technical data

- compliant with the requirements acc. to EN 50264-3-1
- **Temperature range**
flexible -50°C to +120°C
fixed -50°C to +120°C
- **Nominal voltage**
U₀/U 3600/6000 V
- **Test voltage**
11000 V
- **Minimum bending radius**
flexible
≤ 12 mm 4x Outer-Ø
> 12 mm 5x Outer-Ø
fixed
≤ 12 mm 3x Outer-Ø
> 12 mm 4x Outer-Ø

Cable structure

- Copper wire tinned, finely stranded acc. to EN 60228 cl.5
- Core insulation: RADOX® EI 110
- Core identification: white
- Inner sheath: RADOX® EI 109
- Inner sheath colour: black
- EMC-Screen: braided screen of tinned copper wires
- Wrapping: plastic belt
- Outer sheath: RADOX® EM 104
- Outer sheath colour: black
- Two-layer insulation made of high-tech polymers with excellent electrical properties

Properties

- halogen-free and flame-retardant
- very good resistance to: oil, fuel, ozone and weather influences
- cold flexible
- heat resistant
- electron beam cross-linked RADOX® insulation does not melt or flow
- compliant with the essential fire protection standards

Tests

- DIN 5510-2 fire protection level 1, 2, 3, 4
- EN 45545-2 HL1 - HL3
- NF F16-101 classification, category C/F0, int. A1, A2, B/ext. A1, A2, B
- UNI CEI 11170 LR1 - LR4

Note

- please find further technical information in the H&S product data sheet
- other dimensions and colours on request

Application

- The cables are intended for fixed installation in rail vehicles or for installation where limited alternating bending stress occurs during operation.
- Specifications concerning the selection and installation of cables are described in the standards EN 50355 and EN 50343.

Part no.	Part no. H&S	No. cores x cross-sec. mm ²	Outer Ø app. mm	Weight app. kg / km	Copper weight kg / km	Part no.	Part no. H&S	No. cores x cross-sec. mm ²	Outer Ø app. mm	Weight app. kg / km	Copper weight kg / km
11006708	12556520	1 x 1,5	6,8	74	18,4	35248	12556528	1 x 50	17,7	740	540,5
11006709	12556521	1 x 2,5	7,6	97	38,2	11006715	12556529	1 x 70	20,2	1018	777,4
11006710	12556522	1 x 4	8,3	121	53,8	11006716	12556530	1 x 95	22,2	1261	1039,8
11006711	12556523	1 x 6	9,1	156	80,5	11006717	12556531	1 x 120	25,3	1585	1291,2
11006712	12556524	1 x 10	10,4	222	127,5	11006718	12556532	1 x 150	27,6	1945	1595,3
11006713	12556525	1 x 16	12,9	354	209,0	11006719	12556533	1 x 185	29,6	2292	1944,4
35227	12556526	1 x 25	14,3	430	283,6	11006720	12556534	1 x 240	32,7	2877	2521,8
11006714	12556527	1 x 35	15,7	557	395,5	11006721	12558472	1 x 300	36,3	3651	3255,3

Dimensions and specifications may be changed without prior notice.