

RADOX® 4 GKW-AX 1800V 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 1800/3000 V
- **Test voltage**
6500 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

- GOST 31565 O1.8.1.2.1 (single), P1b.8.1.2.1 (bundle)
- EN 45545-2 HL1 - HL3
- NFPA 130

Note

- please find further technical information in the H&S product data sheet
- other dimensions 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
11006787	12556535	1 x 1,5	5,4	51	14,4	34475	12556544	1 x 70	19,5	970	672,0
11006788	12556536	1 x 2,5	6,1	71	24,0	34476	12556545	1 x 95	21,2	1194	912,0
35234	12556537	1 x 4	6,8	92	38,4	11006791	12556546	1 x 120	23,6	1520	1152,0
11006789	12556538	1 x 6	7,7	122	57,6	11006792	12556547	1 x 150	26,2	1880	1440,0
35262	12556539	1 x 10	9,2	186	96,0	34937	12556548	1 x 185	28,2	2197	1776,0
35258	12556540	1 x 16	11,3	278	153,6	35219	12556549	1 x 240	31,4	2727	2304,0
11006790	12556541	1 x 25	13,7	408	240,0	11006793	12558471	1 x 300	34,6	3396	2880,0
35266	12556542	1 x 35	15,1	536	336,0	11006794	84134935	1 x 400	39,5	4800	3840,0
34474	12556543	1 x 50	17,0	706	480,0						

Dimensions and specifications may be changed without prior notice.