

RADOX® 9 GWK-AX 3600V M

halogen-free, compact double insulated single core cable



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: red
- Outer sheath: RADOX® EI 109
- 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

- BS 6853, GM/RT 2130 Ia, Ib, II
- EN 45545-2 HL1 - HL3
- NFPA 130

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.
- For unscreened cables, the specifications according to EN 50153 must be observed.

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
34734	12537829	1 x 1,5	4,5	35	14,4	34764	12547262	1 x 70	16,7	802	672,0
34487	12537830	1 x 2,5	5,1	49	24,0	34488	12547264	1 x 95	18,7	1024	912,0
11006705	12537831	1 x 4	5,7	67	38,4	34998	12545522	1 x 120	21,0	1290	1152,0
11000576	12537832	1 x 6	6,3	90	57,6	11006706	12547268	1 x 150	23,2	1609	1440,0
35216	12545520	1 x 10	7,5	142	96,0	35232	12545523	1 x 185	25,0	1921	1776,0
34737	12544525	1 x 16	9,4	213	153,6	34996	12547678	1 x 240	28,0	2458	2304,0
35236	12547257	1 x 25	11,0	308	240,0	11006707	12551573	1 x 300	30,8	3044	2880,0
35199	12547260	1 x 35	12,6	432	336,0	11006722	12564160	1 x 400	35,3	4077	3840,0
34736	12545521	1 x 50	14,6	598	480,0						

Dimensions and specifications may be changed without prior notice.