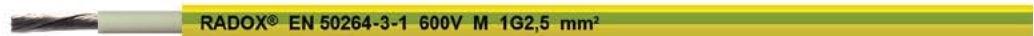


RADOX® EN 50264-3-1 600V M

halogen-free, compact double insulated single core cable



Technical data

- core with reduced insulation wall thickness
- compact and weight-optimised / small bending radii
- **Temperature range**
flexible -50°C to +120°C
fixed -50°C to +120°C
- **Nominal voltage**
U₀/U 600/1000 V
- **Test voltage**
3500 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
- Outer sheath: RADOX® EI 109
- Outer sheath colour: see table
- Two-layer insulation made of high-tech polymers with excellent electrical properties

Properties

- halogen-free and flame-retardant
- 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
- NFPA 130
- NF F16-101 classification, category C/F1, int. A1, A2, B/ext. A1, A2, B

Note

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

Application

- The cores 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.
- The core cable is used as a sub-component in cables according to EN 50264-3-2.

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
34599	85096345	1 x 1 BK	2,5	14	9,6
11006539	85096351	1 G 1 GN-YE	2,5	14	9,6
34600	85096346	1 x 1,5 BK	3,0	21	14,4
34610	85096352	1 G 1,5 GN-YE	3,0	21	14,4
34601	85096347	1 x 2,5 BK	3,4	31	24,0
34611	85096353	1 G 2,5 GN-YE	3,4	31	24,0
34602	85096346	1 x 4 BK	4,0	49	38,4
34612	85096354	1 G 4 GN-YE	4,0	49	38,4
34603	85096349	1 x 6 BK	4,6	70	57,6
34613	85096355	1 G 6 GN-YE	4,6	70	57,6
34604	85096350	1 x 10 BK	5,5	113	96,0
11006540	85096356	1 G 10 GN-YE	5,5	113	96,0
34605	85097024	1 x 16 BK	6,8	166	153,6
11006541	85097025	1 G 16 GN-YE	6,8	166	153,6
34606	85097026	1 x 25 BK	8,5	251	240,0

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
11006542	85097027	1 G 25 GN-YE	8,5	251	240,0
34607	85097028	1 x 35 BK	9,7	363	336,0
11006543	85097029	1 G 35 GN-YE	9,7	363	336,0
34608	85097030	1 x 50 BK	11,4	502	480,0
11006544	85097031	1 G 50 GN-YE	11,4	502	480,0
34609	85097032	1 x 70 BK	13,8	712	672,0
11006545	85097033	1 G 70 GN-YE	13,8	712	672,0
35301	85097034	1 x 95 BK	15,3	902	912,0
11006546	85097036	1 G 95 GN-YE	15,3	902	912,0
11006547	85097037	1 x 120 BK	17,2	1148	1152,0
11006548	85097038	1 G 120 GN-YE	17,2	1148	1152,0
11006549	85097039	1 x 150 BK	19,2	1445	1440,0
11006550	85097048	1 x 185 BK	21,4	1744	1776,0
11006551	85097050	1 x 240 BK	24,6	2263	2304,0
11006552	85097052	1 x 300 BK	27,2	2849	2880,0

Dimensions and specifications may be changed without prior notice.