

RADOX® 3 GWK 600V

halogen-free, compact double insulated single core cable



RADOX® 3 GWK 600V 1x4 mm²

Technical data

- 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 Kl.5
- Core insulation: RADOX® EI 201
- Core identification: see table

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

- 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 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.

| 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 |
|----------|--------------|--|-----------------|---------------------|-----------------------|----------|--------------|--|-----------------|---------------------|-----------------------|
| 34657 | 12548125 | 1 x 0,5 GY | 2,0 | 8 | 4,8 | 34421 | 12553881 | 1 G 25 GN-YE | 8,9 | 253 | 240,0 |
| 11006080 | 12553865 | 1 G 0,5 GN-YE | 2,0 | 8 | 4,8 | 34409 | 12548128 | 1 x 35 GY | 10,2 | 359 | 336,0 |
| 34400 | 12548126 | 1 x 0,75 GY | 2,2 | 11 | 7,2 | 34422 | 12553883 | 1 G 35 GN-YE | 10,2 | 359 | 336,0 |
| 11006081 | 12553867 | 1 G 0,75 GN-YE | 2,2 | 11 | 7,2 | 34410 | 12545155 | 1 x 50 GY | 11,9 | 498 | 480,0 |
| 34401 | 12551402 | 1 x 1 GY | 2,4 | 14 | 9,6 | 34731 | 12553885 | 1 G 50 GN-YE | 11,9 | 498 | 480,0 |
| 34414 | 12553869 | 1 G 1 GN-YE | 2,4 | 14 | 9,6 | 34411 | 12543214 | 1 x 70 GY | 14,3 | 712 | 672,0 |
| 34402 | 12545286 | 1 x 1,5 GY | 2,7 | 19 | 14,4 | 34424 | 12553887 | 1 G 70 GN-YE | 14,3 | 712 | 672,0 |
| 34415 | 12553871 | 1 G 1,5 GN-YE | 2,7 | 19 | 14,4 | 34412 | 12548671 | 1 x 95 GY | 15,9 | 887 | 912,0 |
| 34403 | 12545288 | 1 x 2,5 GY | 3,3 | 30 | 24,0 | 11006082 | 12553889 | 1 G 95 GN-YE | 15,9 | 887 | 912,0 |
| 34416 | 12553873 | 1 G 2,5 GN-YE | 3,3 | 30 | 24,0 | 34413 | 12542936 | 1 x 120 GY | 17,9 | 1140 | 1152,0 |
| 34404 | 12545290 | 1 x 4 GY | 3,9 | 46 | 38,4 | 11006083 | 12553891 | 1 G 120 GN-YE | 17,9 | 1140 | 1152,0 |
| 34417 | 12553875 | 1 G 4 GN-YE | 3,9 | 46 | 38,4 | 11006077 | 12548673 | 1 x 150 GY | 20,3 | 1457 | 1440,0 |
| 34405 | 12548127 | 1 x 6 GY | 4,7 | 67 | 57,6 | 11006084 | 12553893 | 1 G 150 GN-YE | 20,3 | 1457 | 1440,0 |
| 34418 | 12553877 | 1 G 6 GN-YE | 4,7 | 67 | 57,6 | 11006078 | 12551404 | 1 x 185 GY | 22,0 | 1728 | 1776,0 |
| 34406 | 12545153 | 1 x 10 GY | 5,8 | 113 | 96,0 | 11006085 | 12555739 | 1 G 185 GN-YE | 22,0 | 1728 | 1776,0 |
| 34419 | 12547689 | 1 G 10 GN-YE | 5,8 | 113 | 96,0 | 11006079 | 12551406 | 1 x 240 GY | 25,2 | 2254 | 2304,0 |
| 34407 | 12545292 | 1 x 16 GY | 7,2 | 166 | 153,6 | 35249 | 12555741 | 1 x 300 GY | 28,0 | 2814 | 2880,0 |
| 34420 | 12553879 | 1 G 16 GN-YE | 7,2 | 166 | 153,6 | 11006086 | 12557104 | 1 x 400 GY | 31,9 | 3756 | 3840,0 |
| 34408 | 12543216 | 1 x 25 GY | 8,9 | 253 | 240,0 | | | | | | |

Dimensions and specifications may be changed without prior notice.