

Halogen-free Cables

SABIX® BL 400 FRNC

flexible control cable 300/500 V



marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® BL 400 FRNC 12 x 1,5 mm² - IEC 60332-3-22 - 300/500V DNV CE and current meter marking

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | special SABIX® |
| Colour code: | black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 conductors |
| Stranding: | in layers |
| Sheath material: | special SABIX® SHF 1 compound acc. to IEC 60092-360 |
| Sheath colour: | pigeon blue (RAL 5014) |

Outstanding features:

- » halogen-free
- » asbestos-free
- » no flame propagation
- » flame retardant and self-extinguishing
- » flexible
- » for applications acc. to Hong Kong Convention
ingredients tested acc. to the requirements
of the Hong Kong Convention (2009) of the IMO
- » approvals: DNV

Technical Data:

| | |
|--|--|
| Nominal voltage: | Uo/U 300/500 V |
| Testing voltage: | core/core 2000 V |
| Min. bending radius | |
| fixed laying: | 4 x d |
| flexible application: | 6 x d |
| Temperature range | |
| fixed laying: | -40/+90 °C |
| flexible application: | -30/+90 °C |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 |
| Fire performance: | no flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 |
| Corrosiveness of conflagration gases: | in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases |
| Smoke density: | acc. to IEC 61034 + VDE 0482-1034 |
| Flexibility: | very good |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

| item no. | no. of cores x cross section n x mm² | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|------------------------|---------------------------|----------------------------|
| 64000205 | 2 x 0,50 | 5,3 | 9,6 | 42 |
| 64000305 | 3 x 0,50 | 5,6 | 14,4 | 49 |
| 64000405 | 4 x 0,50 | 6,0 | 19,2 | 59 |
| 64000505 | 5 x 0,50 | 6,6 | 24,0 | 72 |
| 64000705 | 7 x 0,50 | 7,3 | 33,6 | 90 |
| 64001205 | 12 x 0,50 | 9,6 | 57,6 | 147 |
| 64001805 | 18 x 0,50 | 11,4 | 86,4 | 212 |
| 64000207 | 2 x 0,75 | 5,8 | 14,4 | 51 |
| 64000307 | 3 x 0,75 | 6,1 | 21,6 | 60 |
| 64000407 | 4 x 0,75 | 6,7 | 28,8 | 74 |
| 64000507 | 5 x 0,75 | 7,4 | 36,0 | 91 |
| 64000707 | 7 x 0,75 | 8,1 | 50,4 | 113 |
| 64001207 | 12 x 0,75 | 10,9 | 86,4 | 187 |
| 64001807 | 18 x 0,75 | 12,8 | 129,6 | 269 |
| 64000210 | 2 x 1,00 | 6,0 | 19,2 | 57 |
| 64000310 | 3 x 1,00 | 6,3 | 28,8 | 68 |
| 64000410 | 4 x 1,00 | 7,0 | 38,4 | 84 |
| 64000510 | 5 x 1,00 | 7,8 | 48,0 | 105 |

| item no. | no. of cores x cross section n x mm² | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|------------------------|---------------------------|----------------------------|
| 64000710 | 7 x 1,00 | 8,4 | 67,2 | 131 |
| 64001210 | 12 x 1,00 | 11,3 | 115,2 | 216 |
| 64001810 | 18 x 1,00 | 13,5 | 172,8 | 318 |
| 64000215 | 2 x 1,50 | 6,7 | 28,8 | 73 |
| 64000315 | 3 x 1,50 | 7,0 | 43,2 | 89 |
| 64000415 | 4 x 1,50 | 7,9 | 57,6 | 112 |
| 64000515 | 5 x 1,50 | 8,6 | 72,0 | 136 |
| 64000715 | 7 x 1,50 | 9,5 | 100,8 | 174 |
| 64001215 | 12 x 1,50 | 12,7 | 172,8 | 287 |
| 64001815 | 18 x 1,50 | 15,3 | 259,2 | 426 |
| 64000225 | 2 x 2,50 | 8,1 | 48,0 | 111 |
| 64000325 | 3 x 2,50 | 8,6 | 72,0 | 137 |
| 64000425 | 4 x 2,50 | 9,5 | 96,0 | 171 |
| 64000525 | 5 x 2,50 | 10,6 | 120,0 | 212 |
| 64000725 | 7 x 2,50 | 11,7 | 168,0 | 272 |
| 64001225 | 12 x 2,50 | 15,7 | 288,0 | 452 |
| 64001825 | 18 x 2,50 | 18,9 | 432,0 | 670 |

Other dimensions and colours are possible on request.

Possible on request:

- » bare copper strands
- » alternative colour code
and sheath colour