

# Cables for lifting and crane systems

## Spreader 722

Control cable hoisting cages in crane systems



marking example:

SAB BRÜCKSKES · D-VIERSEN · Spreader 722 42 G 2,5 mm<sup>2</sup>

**Application:** Cable for carriers for example spreaders with high mechanical stress and vertical cage operation.

### Construction:

|                         |   |
|-------------------------|---|
| <b>Conductor:</b>       | bare copper strands   |
| <b>Insulation:</b>      | PVC   |
| <b>Colour code:</b>     | black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, and a green-yellow earth wire |
| <b>Suspension unit:</b> | Armid braided with lead, 50 m of the suspended cable are supported by a 5 times safety calculation  |
| <b>Stranding:</b>       | cores are twisted to bundles with lead cord in the centre   |
| <b>Wrapping:</b>        | overlapping non-woven tape  |
| <b>Stranding:</b>       | bundle and lead cords twisted, suspension unit in the centre  |
| <b>Wrapping:</b>        | overlapping non-woven tape  |
| <b>Sheath material:</b> | PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2   |
| <b>Sheath colour:</b>   | black (RAL 9005)  |

### Outstanding features:

- » for hoisting cage applications
- » high breaking load of supporting unit
- » oil resistant
- » weather resistant
- » PFAS free

### Technical data:

|   |   |
|---|---|
| <b>Nominal voltage:</b>                                 | U <sub>0</sub> /U 300/500 V   |
| <b>Testing voltage:</b>                                 | core/core 2000 V  |
| <b>Temperature range</b>                                |   |
| <i>fixed laying:</i>                                    | -20/+60 °C  |
| <i>flexible application:</i>                            | -20/+60 °C  |
| <i>max. allowed operating temperature at conductor:</i> | +70 °C  |
| <i>short circuit temperature at conductor:</i>          | +150 °C   |
| <b>Tensile strength:</b>                                | max. 15 N/mm <sup>2</sup> x sum of all cable sections   |
| <b>Recommended cage dimensions:</b>                     | cage diameter min. 30 x d, cage height approx. 45 x d   |
| <b>Travel speed hoisting gear:</b>                      | max. 160 m/min.   |
| <b>Oil resistance:</b>                                  | very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2  |
| <b>Weather resistance:</b>                              | appropriate for applications in dry, damp and wet rooms as well as in the open-air with a very good resistance against ozone, UV radiation and humidity |
| <b>Absence of harmful substances:</b>                   | due to the lead cord this cable isn't free of harmful substances acc. to RoHS directive of the European Union   |

| item no. | no. of cores x cross section n x mm <sup>2</sup> | outer-Ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|------------------|---------------------|----------------------|
| 07224810 | 48 G 1,00  | 32,1             | 460,8               | 1951                 |
| 07222425 | 24 G 2,50  | 29,7             | 576,0               | 1660                 |
| 07223025 | 30 G 2,50  | 32,9             | 720,0               | 2016                 |
| 07223625 | 36 G 2,50  | 36,2             | 864,0               | 2567                 |
| 07224225 | 42 G 2,50  | 39,2             | 1008,0              | 3177                 |
| 07224825 | 48 G 2,50  | 41,9             | 1152,0              | 3556                 |
| 07222035 | 20 G 3,50  | 30,9             | 633,6               | 1722                 |
| 07222435 | 24 G 3,50  | 33,2             | 760,3               | 2073                 |
| 07223035 | 30 G 3,50  | 37,0             | 950,4               | 2565                 |
| 07223635 | 36 G 3,50  | 40,2             | 1140,5              | 3218                 |

Other dimensions and colours are possible on request.