

# Cables for lifting and crane systems

## Spreader 722

Control cable hoisting cages in crane systems



ERC

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)

### 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

### Outstanding features:

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

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.