

Reeling cables

DR 721 P



marking example:

SAB BRÜCKSKES · D-VIERSEN · DR 721 P 4 G 2,5 mm² CE

Application: The DR 721 P is used for spring cable and motor cable reels, hoists, transport systems and farm vehicles with medium mechanical stress.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Colour code:	coloured acc. to HD 308 (VDE 0293-308), from 6 cores black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, from 3 cores a green-yellow earth wire
Stranding:	specially adjusted layering
Inner Sheath:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Sheath material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Sheath colour:	black (RAL 9005)

Outstanding features:

- » high winding and unwinding strength
- » corresponds to low voltage guideline 73/23/EWG CE
- » small outer diameter
- » small cable weight

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Testing voltage:	core/core 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter N „Technical data“
Min. bending radius <i>for laying and installation</i> <i>(fixed laying):</i>	6 x d
<i>for repeated winding action</i> <i>(flexible):</i>	10 x d
<i>guided on pulleys</i> <i>(flexible):</i>	12 x d
Temperature range <i>fixed laying:</i>	-50/+90 °C
<i>flexible:</i>	-40/+90 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	very good against acids, alkaline solutions, solvents and hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black sheath colour
Tensile strength:	acc. to VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer sheath are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
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 mm ²	outer-Ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
07210415	4 G 1,50	8,8	57,6	116
07210515	5 G 1,50	9,6	72,0	140
07210715	7 G 1,50	11,7	100,8	203
07211215	12 G 1,50	16,4	172,8	339
07211815	18 G 1,50	16,3	259,2	427
07212415	24 G 1,50	19,6	345,6	571
07213615	36 G 1,50	22,1	518,4	798
07210425	4 G 2,50	10,2	96,0	168
07210525	5 G 2,50	11,2	120,0	205
07210725	7 G 2,50	13,6	168,0	297
07211225	12 G 2,50	19,4	288,0	507
07211825	18 G 2,50	19,4	432,0	634

item no.	no. of cores x cross section n x mm ²	outer-Ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
07212425	24 G 2,50	23,6	576,0	854
07213625	36 G 2,50	26,4	864,0	1196
07210440	4 G 4,00	12,4	153,6	256
07210460	4 G 6,00	14,4	230,4	363
07210560	5 G 6,00	15,6	288,0	438
07210470	4 G 10,0	17,9	384,0	585
07210480	4 G 16,0	22,4	614,4	905
07210580	5 G 16,0	25,0	768,0	1131
07210390	3 x 25,0 + 3 G 6,00	24,2	892,8	1178
07210395	3 x 35,0 + 3 G 6,00	28,0	1180,8	1568
07210396	3 x 50,0 + 3 G 10,0	31,8	1728,0	2249

Other dimensions and colours are possible on request.
Please mention the required winding length when placing the order.

Please pay attention
to the installation instructions
in chapter N „Technical data“