

DR 721 P

IERSEN · DR 721 P 12 G 1,5 mm² CE



Marking for DR 721 P 07211215:

SAB BRÖCKSKES · D-VIERSEN · DR 721 P 12 G 1,5 mm² CE

Construction:

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

Outstanding features:

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

Application:

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

Technical Data:

Nominal voltage:	0,6/1 kV
Testing voltage:	core/core 4000 V
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page N/36 + N/37
Min. bending radius:	
for laying and installation (fixed laying):	6 x d
for repeated winding action (flexible):	10 x d
guided on deflection pulleys: (flexible):	12 x d
Temperature range	
fixed laying:	-50/+90 °C
flexible:	-40/+90 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 und EN 60332-1-2
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
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 DIN 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 page N/17

item no.	no. of cores cross section n x mm²	outer-ø ± 5% 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
07212425	24 G 2,50	23,6	576,0	854

item no.	no. of cores cross section n x mm²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
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.

Note: Please pay attention to the installation instructions on page N/29