

FLEXIBLE SPECIALITY CABLES

DR 721 P Reeling cable



Marking for DR 721 P 07211215:
SAB BRÖCKSKES · D-VIERSEN · DR 721 P 12 G 1,5 mm² CE

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 EN 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293 part 308); from 6 conductors black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering
Inner jacket:	special PVC
Supporting screen:	high-tech yarn
Jacket material:	PUR
Jacket color:	black

Outstanding features:

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

Technical data:

Nominal voltage:	0.6/1 kV
Testing voltage:	conductor/conductor 4000 V
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page N/16 + 17
Min. bending radius:	
<i>for laying and installation (fixed laying):</i>	6 x d
<i>for repeated winding action (flexible):</i>	10 x d
<i>guided on deflection pulleys: (flexible):</i>	12 x d
Temperature range:	
<i>fixed laying:</i>	-30/+70 °C
<i>flexible:</i>	-30/+70 °C
Temperature resistance of primary insulation:	up to +90 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 und EN 60332-1-2
Oil resistance:	very good - TMPU acc. mto 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
UV-resistance:	very good - enhanced due to black sheath color
Tensile strength:	acc. to DIN VDE 0298-300
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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	dimensions	max. outer-ø ± 5%		cable weight ≈ lbs/mft
		inch	mm	
▶ 07210415	16 AWG / 4c	0.346	8.8	79
▶ 07210515	16 AWG / 5c	0.378	9.6	95
▶ 07210715	16 AWG / 7c	0.461	11.7	130
▶ 07211215	16 AWG / 12c	0.646	16.4	230
▶ 07211815	16 AWG / 18c	0.642	16.3	284
▶ 07212415	16 AWG / 24c	0.772	19.6	380
▶ 07213615	16 AWG / 36c	0.870	22.1	534
▶ 07210425	14 AWG / 4c	0.402	10.2	114
▶ 07210525	14 AWG / 5c	0.441	11.2	137
▶ 07210725	14 AWG / 7c	0.535	13.6	189
▶ 07211225	14 AWG / 12c	0.764	19.4	343
▶ 07211825	14 AWG / 18c	0.764	19.4	422

item no.	dimensions	max. outer-ø ± 5%		cable weight ≈ lbs/mft
		inch	mm	
▶ 07212425	14 AWG / 24c	0.929	23.6	579
▶ 07213625	14 AWG / 36c	1.039	26.4	801
▶ 07210440	12 AWG / 4c	0.488	12.4	173
▶ 07210460	10 AWG / 4c	0.567	14.4	249
▶ 07210560	10 AWG / 5c	0.614	15.6	292
▶ 07210470	8 AWG / 4c	0.705	17.9	397
▶ 07210480	6 AWG / 4c	0.882	22.4	605
▶ 07210580	6 AWG / 5c	0.984	25.0	743
▶ 07210390	4 AWG / 3c + 10 AWG / 3c	0.969	24.6	814
▶ 07210395	2 AWG / 3c + 10 AWG / 3c	1.102	28.0	1085
▶ 07210396	1 AWG / 3c + 8 AWG / 3c	1.252	31.8	1535

Other dimensions and colors are possible on request.

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