

# Reeling Cables

## DR 721 P

Reeling cable



Marking for DR 721 P 7210425:

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:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Color code:</b>	up to 5 conductors: HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors: green/yellow ground
<b>Stranding:</b>	specially adjusted layering
<b>Inner jacket:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Supporting screen:</b>	high-tech yarn
<b>Jacket material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Jacket color:</b>	black (RAL 9005)

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0.6/1 kV
<b>Testing voltage:</b>	conductor/conductor: 4000 V
<b>Current-carrying capacity:</b>	acc. to VDE 0298-4, see chapter O 20 & 21
<b>Min. bending radius:</b> <i>for laying and installation (fixed installation):</i>	6 x O.D.
<i>for repeated winding action (flexible):</i> <i>guided on pulleys (flexible):</i>	10 x O.D. 12 x O.D.
<b>Temperature range:</b> <i>static:</i> <i>flexible:</i>	-50/+90°C -40/+90°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	very good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Weather resistance:</b>	very good
<b>Sunlight resistance:</b>	very good - enhanced due to black jacket color
<b>Tensile strength:</b>	with reference to VDE 0298-3 section 7.1
<b>Mechanical characteristics:</b>	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
<b>Approvals:</b>	CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:



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

item no.	AWG/c	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% inch	
▶ 7210415	16 AWG (≈ 27-29/30) / 4c	0.346	8.8	78
▶ 7210515	16 AWG (≈ 27-29/30) / 5c	0.378	9.6	94
▶ 7210715	16 AWG (≈ 27-29/30) / 7c	0.461	11.7	136
▶ 7211215	16 AWG (≈ 27-29/30) / 12c	0.646	16.4	228
▶ 7211815	16 AWG (≈ 27-29/30) / 18c	0.642	16.3	287
▶ 7212415	16 AWG (≈ 27-29/30) / 24c	0.772	19.6	384
▶ 7213615	16 AWG (≈ 27-29/30) / 36c	0.870	22.1	536
▶ 7210425	14 AWG (≈ 46/30) / 4c	0.402	10.2	113
▶ 7210525	14 AWG (≈ 46/30) / 5c	0.441	11.2	138
▶ 7210725	14 AWG (≈ 46/30) / 7c	0.535	13.6	200
▶ 7211225	14 AWG (≈ 46/30) / 12c	0.764	19.4	341
▶ 7211825	14 AWG (≈ 46/30) / 18c	0.764	19.4	426
▶ 7212425	14 AWG (≈ 46/30) / 24c	0.929	23.6	574
▶ 7213625	14 AWG (≈ 46/30) / 36c	1.039	26.4	804

item no.	AWG/c	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% inch	
▶ 7210440	12 AWG (≈ 52/28) / 4c	0.488	12.4	172
▶ 7210460	10 AWG (≈ 78/28) / 4c	0.567	14.4	244
▶ 7210560	10 AWG (≈ 78/28) / 5c	0.614	15.6	294
▶ 7210470	8 AWG (≈ 77/26) / 4c	0.705	17.9	393
▶ 7210480	6 AWG (≈ 122/26) / 4c	0.882	22.4	608
▶ 7210580	6 AWG (≈ 122/26) / 5c	0.984	25.0	760
▶ 7210390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.953	24.2	791
▶ 7210395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.102	28.0	1054
▶ 7210396	1 AWG (≈ 400/26) / 3c + 8 AWG (≈ 77/26) / 3c	1.252	31.8	1511

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

### HD 308 color code: up to 5 conductors

4c: green/yellow, brown, black, gray

5c: green/yellow, blue, brown, black, gray

Please pay attention to the installation instructions on page O/13



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