

# FLEXIBLE SPECIALITY CABLES



## DR 720 P Highflex Reeling cable



Marking for DR 720 P Highflex 07201215:  
SAB BRÖCKSKES · D-VIERSEN · DR 720 P Highflex 12 G 1,5 mm² CE

The DR 720 P Highflex is used for heavy appliances as for example motor cable reels hoists, transport systems, movable motors and farm vehicles with high mechanical stress.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228 EN 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Color code:</b>	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
<b>Stranding:</b>	specially adjusted layering around central suspension unit partially with non-woven tape over the outer layer
<b>Inner jacket:</b>	PUR
<b>Supporting screen:</b>	high-tech yarn
<b>Jacket material:</b>	PUR
<b>Jacket color:</b>	black

### Outstanding features:

- path feed rate up to 120 m/min.
- high winding and unwinding strength
- small outer diameter
- small cable weight
- corresponds to low voltage guideline 73/23/EWG CE

### Technical data:

<b>Nominal voltage:</b>	0.6/1 kV
<b>Testing voltage:</b>	conductor/conductor 4000 V
<b>Current-carrying capacity:</b>	acc. to DIN VDE 0298-4, see page N/16 + 17
<b>Min. bending radius:</b>	
for laying and installation (fixed laying):	≤ 12 mm 3 x d / >12 mm 4 x d
for repeated winding action (flexible):	6 x d
guided on deflection pulleys (flexible):	7,5 x d
<b>Temperature range</b>	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Weather resistance:</b>	very good
<b>UV-resistance:</b>	very good - enhanced due to black sheath color
<b>Tensile strength:</b>	DIN VDE 0298-300
<b>Mechanical characteristics:</b>	the main mechanical characteristics accomplished by the PUR outer sheath are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance
<b>Absence of harmful substances:</b>	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	min breaking load of suspension unit N
		inch	mm		
▶ 07200415	16 AWG / 4c	0.358	9.1	75	1340
▶ 07200515	16 AWG / 5c	0.390	9.9	89	1690
▶ 07200715	16 AWG / 7c	0.469	11.9	130	2150
▶ 07201215	16 AWG / 12c	0.657	16.7	229	2600
▶ 07201815	16 AWG / 18c	0.650	16.5	276	2600
▶ 07200425	14 AWG / 4c	0.413	10.5	110	1345
▶ 07200525	14 AWG / 5c	0.461	11.7	134	2100
▶ 07201225	14 AWG / 12c	0.776	19.7	340	2900
▶ 07201825	14 AWG / 18c	0.772	19.6	411	3450
▶ 07202425	14 AWG / 24c	0.941	23.9	566	2700
▶ 07203025	14 AWG / 30c	1.051	26.7	710	4200

item no.	dimensions	max. outer-ø ± 5%		cable weight ≈ lbs/mft	min breaking load of suspension unit N
		inch	mm		
▶ 07205025	14 AWG / 50c	1.280	32.5	1134	6750
▶ 07200440	12 AWG / 4c	0.492	12.5	161	1690
▶ 07200460	10 AWG / 4c	0.575	14.6	231	1860
▶ 07200470	8 AWG / 4c	0.713	18.1	386	2300
▶ 07200480	6 AWG / 4c	0.882	22.4	587	2800
▶ 07200390	4 AWG / 3c + 10 AWG / 3c	0.957	24.3	794	3300
▶ 07200490	4 AWG / 4c	1.047	26.6	901	3300
▶ 07200395	2 AWG / 3c + 10 AWG / 3c	1.106	28.1	1054	3300
▶ 07200495	2 AWG / 4c	1.228	31.2	1263	3300
▶ 07200396	1 AWG / 3c + 8 AWG / 3c	1.256	31.9	1491	3800

Other dimensions and colors are possible on request.

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