DR 720 P Highflex PUR reeling cable

RoHS

CE

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:

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 around a central suspension unit
Inner jacket:	PUR
Supporting screen:	high-tech yarn
Jacket material:	PUR
Jacket color:	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:

Nominal voltage:	0.6/1 kV
Testing voltage:	conductor/conductor 4000 V
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page N/18 + 19
Min. bending radius:	
for laying and installation (fixed laying):	≤ 12 mm 3 x O.D. / >12 mm 4 x O.D.
for repeated winding action (flexible):	6 x O.D.
guided on deflection pulleys (flexible):	7,5 x O.D.
Temperature range	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Tensile strength:	DIN VDE 0298-3 section 7.1
Mechanical characteristics:	the main mechanical characteristics accomplished by the PUR outer jacket 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/28

item no.	dimensions	max. outer-ø ± 5% inch	mm	cable weight ≈ lbs/mft	min breaking load of suspension unit N
► 07200415	16 AWG (≈ 27-29/30) / 4c	0.354	9.0	80	1340
► 07200515	16 AWG (≈ 27-29/30) / 5c	0.386	9.8	95	1690
► 07200715	16 AWG (≈ 27-29/30) / 7c	0.465	11.8	137	2150
► 07201215	16 AWG (≈ 27-29/30) / 12c	0.654	16.6	241	2600
► 07201815	16 AWG (≈ 27-29/30) / 18c	0.646	16.4	289	2600
► 07200425	14 AWG (≈ 46/30) / 4c	0.409	10.4	114	1345
► 07200525	14 AWG (≈ 46/30) / 5c	0.457	11.6	143	2100
► 07201225	14 AWG (≈ 46/30) / 12c	0.772	19.6	357	2900
► 07201825	14 AWG (≈ 46/30) / 18c	0.776	19.7	431	3450
► 07202425	14 AWG (≈ 46/30) / 24c	0.937	23.8	591	2700
► 07203025	14 AWG (≈ 46/30) / 30c	1.047	26.6	739	4200
► 07205025	14 AWG (≈ 46/30) / 50c	1.276	32.4	1169	6750
► 07200440	12 AWG (≈ 52/28) / 4c	0.488	12.4	171	1690
► 07201240	12 AWG (≈ 52/28) / 12c	0.945	24.0	561	5000

item no.	dimensions	max. outer-ø ± 5% inch	mm	cable weight ≈ lbs/mft	min breaking load of suspension unit N
► 07200460	10 AWG (≈ 78/28) / 4c	0.583	14.8	248	1860
► 07200470	8 AWG (≈ 77/26) / 4c	0.717	18.2	398	2300
► 07200480	6 AWG (≈ 122/26) / 4c	0.894	22.7	615	2800
► 07200390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.957	24.3	798	3300
► 07200490	4 AWG (≈ 190/26 / 4c	1.059	26.9	908	3300
► 07200395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.106	28.1	1060	3300
► 07200495	2 AWG (≈ 272/26) / 4c	1.240	31.5	1272	3300
► 07200396	1 AWG (≈ 400/26) / 3c + 8 AWG (≈ 77/26) / 3c	1.256	31.9	1521	3800

Other dimensions and colors 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/11