

Reeling Cables

DR 720 P Highflex

PUR reeling cable



/IERSEN · DR 720 P Highflex 4 G 2.5 mm² CE



Marking for DR 720 P Highflex 7200425:

SAB BRÖCKSKES · D-VIERSEN · DR 720 P Highflex 4 G 2.5 mm² CE

Application: The DR 720 P Highflex is used for heavy applications, 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, VDE 0295, class 5
Insulation:	special polymer
Color code:	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
Stranding:	specially adjusted layering around central suspension unit
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:



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

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter O/20 & 21
Min. bending radius: <i>for laying and installation (fixed installation):</i> <i>for repeated winding action (flexible):</i> <i>guided on pulleys (flexible):</i>	≤ 12 mm: 3 x O.D. > 12 mm: 4 x O.D. 6 x O.D. 7.5 x O.D.
Temperature range: <i>static:</i> <i>flexible:</i>	-50/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
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:	acc. to 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
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	outer-ø		cable weight ≈ lbs/mft	min breaking load of suspension unit N
		±10% inch	±10% inch		
▶ 7200415	16 AWG (≈ 27-29/30) / 4c	0.354	9.0	80	1340
▶ 7200515	16 AWG (≈ 27-29/30) / 5c	0.386	9.8	95	1690
▶ 7200715	16 AWG (≈ 27-29/30) / 7c	0.465	11.8	137	2150
▶ 7201215	16 AWG (≈ 27-29/30) / 12c	0.654	16.6	241	2600
▶ 7201815	16 AWG (≈ 27-29/30) / 18c	0.646	16.4	289	2600
▶ 7200425	14 AWG (≈ 46/30) / 4c	0.409	10.4	114	1345
▶ 7200525	14 AWG (≈ 46/30) / 5c	0.457	11.6	143	2100
▶ 7200725	14 AWG (≈ 46/30) / 7c	0.543	13.8	201	2500
▶ 7201225	14 AWG (≈ 46/30) / 12c	0.772	19.6	357	2900
▶ 7201825	14 AWG (≈ 46/30) / 18c	0.776	19.7	431	3450
▶ 7202425	14 AWG (≈ 46/30) / 24c	0.937	23.8	591	2700
▶ 7203025	14 AWG (≈ 46/30) / 30c	1.047	26.6	738	4200
▶ 7205025	14 AWG (≈ 46/30) / 50c	1.276	32.4	1168	6750

HD 308 color code: up to 5 conductors

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

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

item no.	AWG/c	outer-ø		cable weight ≈ lbs/mft	min breaking load of suspension unit N
		±10% inch	±10% inch		
▶ 7200440	12 AWG (≈ 52/28) / 4c	0.488	12.4	171	1690
▶ 7201240	12 AWG (≈ 52/28) / 12c	0.945	24.0	561	5000
▶ 7200460	10 AWG (≈ 78/28) / 4c	0.583	14.8	248	1860
▶ 7200470	8 AWG (≈ 77/26) / 4c	0.717	18.2	398	2300
▶ 7200480	6 AWG (≈ 122/26) / 4c	0.894	22.7	615	2800
▶ 7200390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.957	24.3	798	3300
▶ 7200490	4 AWG (≈ 190/26) / 4	1.059	26.9	908	3300
▶ 7200395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.106	28.1	1060	3300
▶ 7200495	2 AWG (≈ 272/26) / 4	1.240	31.5	1272	3300
▶ 7200396	1 AWG (≈ 400/26) / 3c + 8 AWG (≈ 77/26) / 3c	1.256	31.9	1521	3800

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

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



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