



DR 730 P Highflex



Marking for DR 730 P Highflex 07301215:

SAB BRÖCKSKES · D-VIERSEN · DR 730 P Highflex 12 G 1,5 mm² AWM Style 21897 80°C cUL AWM I/II A/B 80°C 600V FT1 FT2 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228 EN 60228, VDE 0295, class 5
Insulation:	special polymer
Colour code:	coloured acc. to HD 308 (VDE 0293 part 308); from 3 cores a green-yellow earth wire; from 6 cores black cores with consecutive numbers acc. to EN 50334 and a green-yellow earth wire
Stranding:	specially adjusted layering around central suspension unit
Inner sheath:	PUR
Supporting screen:	high-tech yarn
Sheath material:	PUR
Sheath colour:	black (RAL 9005)

Outstanding features:

- UL recognized - Style 21897
- cUL recognized
- path feed rate up to 120 m/min.
- extrem highly winding and unwinding strength
- small outer diameter
- small cable weight
- corresponds to low voltage guideline 73/23/EWG CE
- EAC approval

Application:

- The DR 730 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

Technical Data:

Nominal voltage DIN VDE:	U ₀ /U 0,6/1 kV	
Voltage UL:	1000 V	
Voltage cUL:	600 V	
Testing voltage:	core/core 4000 V	
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page N/36 + N/37	
Min. bending radius:		
<i>for laying and installation (fixed laying):</i>	≤ 12 mm 3 x d / >12 mm 4 x d	
<i>for repeated winding action (flexible):</i>	6 x d	
<i>guided on deflection pulleys (flexible):</i>	7,5 x d	
Temperature range	DIN VDE	UL/cUL: up to +80°C
<i>fixed laying:</i>	-50/+90 °C	
<i>flexible application:</i>	-40/+90 °C	
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
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.	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, cUL FT1 FT2	
Weather resistance:	very good	
Sunlight resistance:	very good - enhanced due to black sheath colour	
Tensile strength:	acc. to DIN VDE 0298-3 section 7.1	
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 directive of the European Union see page N/17	

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item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	min breaking load of suspension unit N
07300415	4 G 1,50	10,2	57,6	146	1340
07300515	5 G 1,50	11,0	72,0	169	1690
07300715	7 G 1,50	12,5	100,8	224	2150
07301215	12 G 1,50	16,9	172,8	381	2600
07301815	18 G 1,50	17,1	259,2	455	2600
07300425	4 G 2,50	11,3	96,0	194	1345
07300525	5 G 2,50	12,3	120,0	229	2100
07300725	7 G 2,50	14,0	168,0	308	2500
07301225	12 G 2,50	19,6	288,0	547	2900
07301825	18 G 2,50	19,6	432,0	650	3450
07302425	24 G 2,50	23,9	576,0	892	2700
07303625	36 G 2,50	26,9	864,0	1224	4200

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	min breaking load of suspension unit N
07300440	4 G 4,00	12,9	153,6	270	1690
07301240	12 G 4,00	24,0	460,8	835	5000
07300460	4 G 6,00	14,7	230,4	371	1860
07300470	4 G 10,0	18,0	384,0	608	2300
07300480	4 G 16,0	23,6	614,4	984	2800
07300390	3 x 25,0				
	+ 3 G 6,00	25,0	892,8	1244	3300
07300395	3 x 35,0				
	+ 3 G 6,00	28,3	1180,8	1620	3300
07300495	4 G 35,0	31,5	1344,0	1893	3300

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



Hybrid cable on request!

Note: Please pay attention to the installation instructions on page N/29