

REELING, LIFT & SPECIALTY CABLES



DR 730 P Highflex PUR reeling cable



Marking for DR 730 P Highflex 07301215:

SAB BRÖCKSKES · D-VIERSEN · DR 730 P Highflex 12 G 1.5 mm² UL AWM Style 21897 80°C cUL AWM I/II A/B 80°C 600V FT1 FT2 CE

The DR 730 P Highflex is a UL AWM approved polyurethane cable. It 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 EN 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293 part 308), see page O/26; from 6 conductors: black conductors with consecutive numbers acc. to EN 50334; plus green-yellow earth wire
Stranding:	specially adjusted layering around central suspension unit
Inner jacket:	PUR
Supporting screen:	high-tech yarn
Jacket material:	PUR
Jacket color:	black

Outstanding features:

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

Technical data:

Nominal voltage DIN VDE:	U ₀ /U 0.6/1 kV	
Voltage UL:	1000 V	
Voltage cUL:	600 V	
Testing voltage:	conductor/conductor 4000 V	
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page O/20 + 21	
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:	DIN VDE	UL/cUL:
fixed laying:	-50/+90°C	up to +80°C
flexible:	-40/+90°C	
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, cUL FT1 FT2	
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
Chemical resistance:	very good against acids, alkaline solutions, solvents and hydraulic liquids, etc.	
Weather resistance:	very good	
Sunlight resistance:	very good - enhanced due to black jacket color	
Tensile strength:	acc. to 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 O/30	



Hybrid cable on request!

item no.	dimensions	nominal outer-ø ± 5%		cable weight ≈ lbs/mft	min breaking load of suspension unit N
		inch	mm		
▶ 07300415	16 AWG (≈ 27-29/30) / 4c	0.402	10.2	98	1340
▶ 07300515	16 AWG (≈ 27-29/30) / 5c	0.433	11.0	114	1690
▶ 07300715	16 AWG (≈ 27-29/30) / 7c	0.492	12.5	151	2150
▶ 07301215	16 AWG (≈ 27-29/30) / 12c	0.665	16.9	256	2600
▶ 07301815	16 AWG (≈ 27-29/30) / 18c	0.673	17.1	306	2600
▶ 07300425	14 AWG (≈ 46/30) / 4c	0.445	11.3	130	1345
▶ 07300525	14 AWG (≈ 46/30) / 5c	0.484	12.3	154	2100
▶ 07300725	14 AWG (≈ 46/30) / 7c	0.551	14.0	207	2500
▶ 07301225	14 AWG (≈ 46/30) / 12c	0.772	19.6	368	2900
▶ 07301825	14 AWG (≈ 46/30) / 18c	0.772	19.6	437	3450
▶ 07302425	14 AWG (≈ 46/30) / 24c	0.941	23.9	599	2700
▶ 07303625	14 AWG (≈ 46/30) / 36c	1.059	26.9	823	4200

item no.	dimensions	nominal outer-ø ± 5%		cable weight ≈ lbs/mft	min breaking load of suspension unit N
		inch	mm		
▶ 07300440	12 AWG (≈ 52/28) / 4c	0.508	12.9	181	1690
▶ 07301240	12 AWG (≈ 52/28) / 12c	0.945	24.0	561	5000
▶ 07300460	10 AWG (≈ 78/28) / 4c	0.579	14.7	249	1860
▶ 07300470	8 AWG (≈ 77/26) / 4c	0.709	18.0	409	2300
▶ 07300480	6 AWG (≈ 122/26) / 4c	0.929	23.6	661	2800
▶ 07300390	4 AWG (≈ 190/26) / 3c + 10 AWG (≈ 78/28) / 3c	0.984	25.0	836	3300
▶ 07300395	2 AWG (≈ 272/26) / 3c + 10 AWG (≈ 78/28) / 3c	1.114	28.3	1089	3300
▶ 07300495	2 AWG (≈ 272/26) / 4c	1.240	31.5	1272	3300

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 O/13!

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