

DR 718 CP Highflex with overall copper screen



BRÖCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2,5 mm² C

Marking for DR 718 CP Highflex 07180425:
SAB BRÖCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2,5 mm² 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 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores
Stranding:	specially adjusted layering around central suspension unit
Inner sheath:	PUR
Screen:	tinned copper braiding
Sheath material:	PUR
Sheath colour:	black (RAL 9005)

Outstanding features:

- **extrem highly winding and unwinding strength**
- **small cable weight**
- **good EMC characteristics**
- **EAC approval**

Applications:

- **The DR 718 CP Highflex is used for spring cable reels on stages for example in theatres as well as control cable in crane arms**

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	2000 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>	5 x d
<i>for repeated winding action (flexible):</i>	7,5 x d
<i>guided on deflection pulleys (flexible):</i>	10 x d
Temperature range	
<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
Fire performance:	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.
Sunlight resistance:	very good - enhanced due to black sheath colour
Tensile strength:	with reference 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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Also possible without inner sheath!



item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	tensile strength max. N	min breaking load of suspension unit N
07182005	20 x 0,50	12,8	161,4	258	150	1600
07182505	25 x 0,50	14,9	192,7	331	187	1700
07182507	25 x 0,75	16,9	281,2	442	281	2000
07180410	4 x 1,00	8,0	62,2	103	60	1100
07181210	12 x 1,00	15,0	188,2	317	180	2000
07181810	18 x 1,00	14,5	237,2	348	270	2200
07182510	25 x 1,00	17,8	355,8	522	375	2400
07182610	26 x 1,00	17,8	365,4	533	390	2400
07180415	4 x 1,50	8,9	86,3	133	90	1340
07180515	5 x 1,50	10,2	120,8	175	112	1690
07180715	7 x 1,50	11,9	157,3	237	157	2150
07181215	12 x 1,50	16,9	274,0	419	270	2600
07181415	14 x 1,50	16,3	301,7	439	315	2600
07181615	16 x 1,50	16,3	330,5	451	360	2600
07181815	18 x 1,50	16,4	359,7	484	405	2600
07182415	24 x 1,50	18,2	463,3	618	540	2800
07183015	30 x 1,50	23,4	586,4	841	675	2900
07183715	37 x 1,50	22,2	681,1	893	832	3200
07180425	4 x 2,50	10,8	144,7	201	150	1345
07180525	5 x 2,50	11,9	176,5	248	187	2100
07180725	7 x 2,50	13,7	232,5	332	262	2500
07181225	12 x 2,50	19,9	418,0	610	450	2900

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	tensile strength max. N	min breaking load of suspension unit N
07181825	18 x 2,50	19,5	561,7	709	675	3450
07182425	24 x 2,50	23,6	730,4	950	900	2600
07183025	30 x 2,50	26,8	892,0	1187	1125	4200
07183625	36 x 2,50	26,1	1035,8	1280	1350	5000
07184825	48 x 2,50	30,7	1353,0	1726	1800	6500
07185625	56 x 2,50	32,6	1547,8	1909	2100	7900
07180440	4 x 4,00	12,3	210,3	284	240	1690
07180540	5 x 4,00	13,7	256,5	346	300	2200
07180740	7 x 4,00	16,3	372,9	500	420	2600
07180460	4 x 6,00	13,7	302,9	388	360	1860
07180560	5 x 6,00	15,7	389,1	492	450	2300
07180760	7 x 6,00	18,9	518,7	690	630	2600
07180470	4 x 10,00	18,1	499,7	656	600	2900
07180570	5 x 10,00	20,3	609,5	808	750	3000
07180480	4 x 16,00	22,3	757,7	985	960	2800
07180580	5 x 16,00	24,9	926,6	1207	1200	3000
07180490	4 x 25,00	27,0	1131,6	1447	1500	3300
07180495	4 x 35,00	30,8	1542,9	1970	2100	3300
07180496	4 x 50,00	35,3	2147,7	2761	3000	3800

Other dimensions and colours 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/29