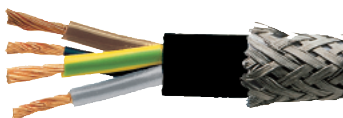


REELING, LIFT & SPECIALTY CABLES

DR 718 CP Highflex PUR shielded reeling cable



BRÖCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2.5 mm²

Marking for DR 718 CP Highflex 07180425:
SAB BRÖCKSKES · D-VIERSEN · DR 718 CP Highflex 4 x 2.5 mm² CE

The DR 718 CP Highflex is shielded and is used for spring loaded cable reels on stages in theaters as well as control cable in crane arms.

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
Inner jacket:	PUR
Screen:	tinned copper braiding
Jacket material:	PUR
Jacket color:	black

Outstanding features:

- extremely high winding and unwinding strength
- lighter cable weight
- good EMC characteristics

**Also possible
without
inner jacket!**



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 O/20 + 21
Min. bending radius:	
<i>for laying and installation (fixed laying):</i>	5 x O.D.
<i>for repeated winding action (flexible):</i>	7.5 x O.D.
<i>guided on deflection pulleys: (flexible):</i>	10 x O.D.
Temperature range:	
<i>fixed laying:</i>	-50/+90°C
<i>flexible:</i>	-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:	very good against acids, alkaline solutions, solvents and hydraulic liquids, etc.
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

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item no.	dimensions	nominal outer-ø ± 5% inch	cable weight mm ≈ lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 07182005	20 AWG (≈ 16/32) / 20c	0.504	12.8 173	150	1600
▶ 07182505	20 AWG (≈ 16/32) / 25c	0.587	14.9 222	187	1700
▶ 07182507	19 AWG (≈ 23/32) / 25c	0.665	16.9 297	281	2000
▶ 07180410	18 AWG (≈ 30/32) / 4c	0.315	8.0 69	60	1100
▶ 07181210	18 AWG (≈ 30/32) / 12c	0.591	15.0 213	180	2000
▶ 07181810	18 AWG (≈ 30/32) / 18c	0.571	14.5 234	270	2200
▶ 07182510	18 AWG (≈ 30/32) / 25c	0.701	17.8 351	375	2400
▶ 07182610	18 AWG (≈ 30/32) / 26c	0.701	17.8 358	390	2400
▶ 07180415	16 AWG (≈ 27-29/30) / 4c	0.350	8.9 89	90	1340
▶ 07180515	16 AWG (≈ 27-29/30) / 5c	0.402	10.2 118	112	1690
▶ 07180715	16 AWG (≈ 27-29/30) / 7c	0.469	11.9 159	157	2150
▶ 07181215	16 AWG (≈ 27-29/30) / 12c	0.665	16.9 282	270	2600
▶ 07181415	16 AWG (≈ 27-29/30) / 14c	0.642	16.3 295	315	2600
▶ 07181615	16 AWG (≈ 27-29/30) / 16c	0.642	16.3 303	360	2600
▶ 07181815	16 AWG (≈ 27-29/30) / 18c	0.646	16.4 325	405	2600
▶ 07182415	16 AWG (≈ 27-29/30) / 24c	0.717	18.2 415	540	2800
▶ 07183015	16 AWG (≈ 27-29/30) / 30c	0.921	23.4 565	675	2900
▶ 07183715	16 AWG (≈ 27-29/30) / 37c	0.874	22.2 600	832	3200
▶ 07180425	14 AWG (≈ 46/30) / 4c	0.425	10.8 135	150	1345
▶ 07180525	14 AWG (≈ 46/30) / 5c	0.469	11.9 167	187	2100
▶ 07180725	14 AWG (≈ 46/30) / 7c	0.539	13.7 223	262	2500
▶ 07181225	14 AWG (≈ 46/30) / 12c	0.783	19.9 410	450	2900

item no.	dimensions	nominal outer-ø ± 5% inch	cable weight mm ≈ lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 07181825	14 AWG (≈ 46/30) / 18c	0.768	19.5 476	675	3450
▶ 07182425	14 AWG (≈ 46/30) / 24c	0.929	23.6 638	900	2600
▶ 07183025	14 AWG (≈ 46/30) / 30c	1.055	26.8 798	1125	4200
▶ 07183625	14 AWG (≈ 46/30) / 36c	1.028	26.1 860	1350	5000
▶ 07184825	14 AWG (≈ 46/30) / 48c	1.209	30.7 1160	1800	6500
▶ 07185625	14 AWG (≈ 46/30) / 56c	1.283	32.6 1283	2100	7900
▶ 07180440	12 AWG (≈ 52/28) / 4c	0.484	12.3 191	240	1690
▶ 07180540	12 AWG (≈ 52/28) / 5c	0.539	13.7 233	300	2200
▶ 07180740	12 AWG (≈ 52/28) / 7c	0.642	16.3 336	420	2600
▶ 07180460	10 AWG (≈ 78/28) / 4c	0.539	13.7 261	360	1860
▶ 07180560	10 AWG (≈ 78/28) / 5c	0.618	15.7 331	450	2300
▶ 07180760	10 AWG (≈ 78/28) / 7c	0.744	18.9 464	630	2600
▶ 07180470	8 AWG (≈ 77/26) / 4c	0.713	18.1 441	600	2900
▶ 07180570	8 AWG (≈ 77/26) / 5c	0.799	20.3 543	750	3000
▶ 07180480	6 AWG (≈ 122/26) / 4c	0.878	22.3 662	960	2800
▶ 07180580	6 AWG (≈ 122/26) / 5c	0.980	24.9 811	1200	3000
▶ 07180490	4 AWG (≈ 190/26) / 4c	1.063	27.0 972	1500	3300
▶ 07180495	2 AWG (≈ 272/26) / 4c	1.213	30.8 1324	2100	3300
▶ 07180496	1 AWG (≈ 400/26) / 4c	1.390	35.3 1855	3000	3800

Other dimensions and colors are possible on request.
Please mention the required winding length when placing the order.3

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

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