

Reeling Cables

DR 717 P Highflex

PUR reeling cable



VIERSEN · DR 717 P Highflex 4 G 2.5 mm² CE

Marking for DR 717 P Highflex 7170425:

SAB BRÖCKSKES · D-VIERSEN · DR 717 P Highflex 4 G 2.5 mm² CE

Application: The DR 717 P Highflex is used for spring cables reels on stages and theaters.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	colored acc. to HD 308 (VDE 0293-308), see page O/26 from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground <i>DMX-bus:</i> white/brown, green/yellow <i>IE Cat 5:</i> white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
Stranding:	specially adjusted layering around a 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)

Technical data:

Peak operating voltage:	item no. 07179001: max. 500 V (DMX-bus) item no. 07179002: max. 125 V (IE Cat 5)								
Nominal voltage:	Uo/U 300/500 V (supply conductors)								
Testing voltage:	conductor/conductor: 2000 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>with installation:</i> <i>static:</i> <i>flexible:</i>	<table border="1"> <tr> <th>item no. 07179001</th> <th>item no. 07179002</th> </tr> <tr> <td>-50/+90°C</td> <td>0/+50°C</td> </tr> <tr> <td>-40/+70°C</td> <td>-20/+60°C</td> </tr> <tr> <td>-40/+90°C</td> <td>-20/+60°C</td> </tr> </table>	item no. 07179001	item no. 07179002	-50/+90°C	0/+50°C	-40/+70°C	-20/+60°C	-40/+90°C	-20/+60°C
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Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1								
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.								
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2								
Sunlight resistance:	very good - enhanced due to black jacket color								
Tensile strength:	with reference 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, EAC, RoHS								
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30								

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Outstanding features:



- reeling length up to 60 m
- extremely high winding and unwinding strength
- corresponds to low voltage guideline 73/23/EWG CE
- small outer diameter
- lighter cable weight

item no.	AWG/c	nominal outer-ø inch	mm	cable weight ≈lbs/mft	tensile strength max. N	min breaking load of suspension unit N
▶ 7170425	14 AWG (≈ 46/30) / 4c	0.382	9.7	96	150	1345
▶ 7170440	12 AWG (≈ 52/28) / 4c	0.461	11.7	154	240	1690
▶ 7171440	12 AWG (≈ 52/28) / 14c	0.823	20.9	538	840	3200
▶ 7172040	12 AWG (≈ 52/28) / 20c	0.917	23.3	768	1200	3700
▶ 7172540	12 AWG (≈ 52/28) / 25c	1.114	28.3	960	1500	4200
▶ 7170460	10 AWG (≈ 78/28) / 4c	0.528	13.4	230	360	1860
▶ 7171360	10 AWG (≈ 78/28) / 13c	0.957	24.3	749	1170	3400
▶ 7171860	10 AWG (≈ 78/28) / 18c	1.012	25.7	1037	1620	6000
▶ 7170470	8 AWG (≈ 77/26) / 4c	0.673	17.1	384	600	2300
▶ 7170480	6 AWG (≈ 122/26) / 4c	0.839	21.3	614	960	2800
▶ 7179001	12 AWG (≈ 52/28) / 14c + 24 AWG (≈ 14/34) / 2pr	0.882	22.4	575	840	2500
▶ 7179002	6 AWG (≈ 122/26) / 5c + 26 AWG (≈ 18/38) / 4pr	1.039	26.4	792	1200	3000
▶ 7179013	12 AWG (≈ 52/28) / 25c	0.984 1.102	min. 25.0 max. 28.0	960	1500	2600

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