

# Reeling cables

## DR 717 P Highflex



marking example:  
SAB BRÜCKSKES · 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 theatres.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Colour code:</b>	coloured acc. to HD 308 (VDE 0293-308), from 6 cores black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, from 3 cores a green-yellow earth wire, DMX-bus: white/brown, green/yellow IE Cat 5: white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
<b>Stranding:</b>	specially adjusted layering around central suspension unit
<b>Inner Sheath:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Supporting screen:</b>	high-tech yarn
<b>Sheath material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

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

### Technical data:

<b>Peak operating voltage:</b>	item no. 07179001: max. 500 V (DMX-bus) item no. 07179002: max. 125 V (IE Cat 5)	
<b>Nominal voltage:</b>	U <sub>o</sub> /U 300/500 V (supply conductors)	
<b>Testing voltage:</b>	core/core 2000 V	
<b>Current-carrying capacity:</b>	acc. to VDE 0298-4, see chapter N „Technical data“	
<b>Min. bending radius</b>		
for laying and installation (fixed laying):	≤ 12 mm 3 x d / >12 mm 4 x d	
for repeated winding action (flexible):	6 x d	
guided on pulleys (flexible):	7,5 x d	
<b>Temperature range</b>	item no. 07179001	item no. 07179002
with installation:		
fixed laying:	-50/+90 °C	-40/+70 °C
flexible application:	-40/+90 °C	-20/+60 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Sunlight resistance:</b>	very good - enhanced due to black sheath colour	
<b>Tensile strength:</b>	with reference to VDE 0298-3 section 7.1	
<b>Mechanical characteristics:</b>	the main mechanical characteristics accomplished by the PUR outer sheath are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

item no.	no. of cores x cross section n x mm <sup>2</sup>	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km	tensile strength max. N	min breaking load of suspension unit N
07170425	4 G 2,50	9,7	96,0	157	150	1345
07170440	4 G 4,00	11,7	153,6	239	240	1690
07171440	14 G 4,00	20,9	537,6	739	840	3200
07172040	20 G 4,00	23,3	768,0	1021	1200	3700
07172540	25 G 4,00	28,3	960,0	1318	1500	4200
07170460	4 G 6,00	13,4	230,4	333	360	1860
07171360	13 G 6,00	24,3	748,8	1013	1170	3400
07171860	18 G 6,00	25,7	1036,8	1306	1620	6000
07170470	4 G 10,0	17,1	384,0	559	600	2300
07170480	4 G 16,0	21,3	614,4	864	960	2800
07179001	14 G 4,00 + 2 x (2 x 0,25)C	22,4	575,4	794	840	2500
07179002	5 G 16,0 + 4 x 2 x 0,14	26,4	791,6	1163	1200	3000
07179013	25 G 4,00	min. 25,0 max. 28,0	960,0	1290	1500	2600

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

Please pay attention  
to the installation instructions  
in chapter N „Technical data“