

# CABLES FOR CRANE AND CONVEYOR APPLICATIONS

## Festoon 716 CP PUR cable with overall copper screen for flexible application in festoon systems



Marking for Festoon 716 CP 07160162:  
SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 1x25.0 mm² CE



Marking for Festoon 716 CP 07161825:  
SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2,5 mm² CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	TPE
<b>Colour code:</b>	single core black; from 2 conductors coloured acc. to HD 308 (VDE 0293 part 308); from 6 cores black with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores
<b>Stranding:</b>	specially adjusted layering with a suspension unit (single core cables without a suspension unit)
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PUR
<b>Sheath colour:</b>	black (RAL 9005)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Testing voltage U:</b>	4000 V
<b>Min. bending radius:</b>	7,5 x d
<b>Continuous tensile strength:</b>	max. 15 N/mm <sup>2</sup> acc. to DIN VDE 0298 part 3 section 7.1
<b>Temperature range</b>	
<i>fixed laying:</i>	-50/+90 °C
<i>flexible application:</i>	-40/+90 °C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1
<b>Oil resistance:</b>	very good - PUR, TMPU acc. to EN 50363-10-2
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Continuous flexibility:</b>	very good
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17

### Outstanding features:

- very good EMC characteristics
- halogen-free
- high abrasion resistance
- small outer diameter
- path feet rate in cable roller assemblies up to 240 m/min.
- EAC approval

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07160215	2 x 1,50	0,26	7,5	49,1	81
07160715	7 G 1,50	0,26	11,2	152,5	202
07161215	12 G 1,50	0,26	13,3	234,0	286
07161815	18 G 1,50	0,26	16,3	358,2	443
07160425	4 G 2,50	0,26	10,2	141,8	177
07160525	5 G 2,50	0,26	11,1	167,1	206
07161225	12 G 2,50	0,26	15,7	356,9	424
07161825	18 G 2,50	0,26	19,0	546,4	643
07160440	4 G 4,00	0,31	12,1	206,2	259
07160460	4 G 6,00	0,31	14,2	292,5	366
07160461	4 G 10,00	0,41	17,7	494,9	600
07160462	4 G 16,00	0,41	22,0	749,7	903
07160163	1 x 25,00	0,41	11,0	294,0	306
07160463	4 G 25,00	0,41	25,8	1121,8	1302
07160464	4 G 35,00	0,41	29,8	1537,5	1790
07160165	1 x 50,00	0,41	14,6	577,2	607
07160465	4 G 50,00	0,41	33,4	2129,6	2460
07160166	1 x 70,00	0,41	17,1	783,1	802
07160167	1 x 95,00	0,51	20,0	1049,9	1095
07160168	1 x 120,00	0,51	21,9	1293,1	1311

Other dimensions and colours are possible on request.

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The Festoon 716 CP cable  
is applied  
for high mechanical stress.  
It is particularly suitable  
for use  
in cable roller assemblies.