

Cables for lifting and crane systems

Festoon 716 CP

PUR cable with overall copper screen for flexible application in festoon systems



marking example:

SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 1x25.0 mm² CE and current meter marking



marking example:

SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2,5 mm² CE and current meter marking

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

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	TPE
Colour code:	single core black, from 2 conductors 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
Stranding:	specially adjusted layering with a suspension unit (single core cables without a suspension unit)
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Sheath colour:	black (RAL 9005)

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Testing voltage:	core/core 4000 V core/screen 4000 V
Min. bending radius	7,5 x d
Continuous tensile strength:	max. 15 N/mm ² acc. to DIN VDE 0298 part 3 section 7.1
Temperature range	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
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.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:

- » path feet rate in cable roller assemblies up to 240 m/min.
- » very good EMC characteristics
- » very abrasion resistant
- » halogen-free
- » small outer diameter
- » simple reeling operation permitted

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 10% 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

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
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.