

Crane and Conveyor Cables

Festoon 716 CP

Shielded PUR cable for flexible application in festoon systems



Marking for Festoon 716 CP 7160162:

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



Marking for Festoon 716 CP 7161825:

SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2.5 mm² CE and current meter marking

Application: The Festoon 716 CP cable is designed for high mechanical stress. It is particularly suitable for use in cable roller assemblies. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

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23

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	TPE
Color code:	single conductor: black; from 2 conductors: HD 308 (VDE 0293-308) see below, from 6 conductors: black with consecutive numbers acc. to EN 50334 + VDE 0293-334; from 3 conductors a green/yellow ground
Stranding:	specially adjusted layering with a suspension unit (single conductor cables without a suspension unit)
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V conductor/shielding: 4000 V
Min. bending radius:	7.5 x O.D.
Continuous tensile load:	max. 15 n/mm ² acc. to DIN VDE 0298 part 3 section 7.1
Temperature range:	<i>static:</i> -50/+90°C <i>flexible:</i> -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TPU 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
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:



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

HD 308 color code: up to 5 conductors

- 2c: blue, brown
- 3c: green/yellow, blue, brown
- 4c: green/yellow, brown, black, gray
- 5c: green/yellow, blue, brown, black, gray

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% inch	cable weight ≈lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
7160215	2	0.295	7.5	54
7160715	7	0.441	11.2	136
7161215	12	0.524	13.3	192
7161815	18	0.642	16.3	298
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
7160425	4	0.402	10.2	119
7160525	5	0.437	11.1	138
7161225	12	0.618	15.7	285
7161825	18	0.748	19.0	432
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
7160440	4	0.476	12.1	174

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% inch	cable weight ≈lbs/mft
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
7160460	4	0.559	14.2	246
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm²				
7160461	4	0.697	17.7	403
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm²				
7160462	4	0.866	22.0	607
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm²				
7160163	1	0.433	11.0	206
7160463	4	1.016	25.8	875
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm²				
7160464	4	1.173	29.8	1203

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% inch	cable weight ≈lbs/mft
▶ 1 AWG (≈ 400/26) ▪ 50.00 mm²				
7160165	1	0.575	14.6	408
7160465	4	1.315	33.4	1653
▶ 2/0 AWG (≈ 543/26) ▪ 70.00 mm²				
7160166	1	0.673	17.1	539
▶ 3/0 AWG (≈ 484/24) ▪ 95.00 mm²				
7160167	1	0.787	20.0	736
▶ 4/0 AWG (≈ 589/24) ▪ 120.00 mm²				
7160168	1	0.862	21.9	881

Other dimensions and colors are available on request

