

REELING, LIFT & SPECIALTY CABLES

Festoon 716 CP Shielded PUR cable for flexible application in festoon systems



BRÖCKSKES · D-VIERSEN · Festoon 716 CP 1x25.0 mm

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



BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2.5 mm

Marking for Festoon 716 CP 07161825:
SAB BRÖCKSKES · D-VIERSEN · Festoon 716 CP 18 G 2.5 mm² CE

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.

Construction:

Conductor:	bare copper strands acc. to IEC 60228 EN 60228, VDE 0295, class 5
Insulation:	TPE
Color code:	single conductor black; from 2 conductors: colored acc. to HD 308 (VDE 0293 part 308), see page O/26; from 6 conductors: black with consecutive numbers acc. to EN 50334; plus green-yellow earth wire
Stranding:	specially adjusted layering with a suspension unit (single conductor cables without a suspension unit)
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR
Jacket color:	black

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.

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage:	4000 V
Current-carrying capacity:	acc. to DIN VDE 0298-4, see page O/20 + 21
Min. bending radius:	6 x O.D.
Continuous tensile load:	max. 15 N/mm ² acc. to DIN VDE 0298 part 3 section 7.1
Temperature range	
<i>fixed laying:</i>	-50/+90°C
<i>flexible application:</i>	-40/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good - PUR, TPU acc. to EN 50363-10-2
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 page O/30

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item no.	no. of conductors incl. ground	nominal outer- inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm ²				
07160215	2	0.295	7.5	54
07160716	7	0.441	11.2	136
07161215	12	0.524	13.3	192
07161815	18	0.642	16.3	298
▶ 14 AWG (≈ 46/30) • 2.50 mm ²				
07160425	4	0.402	10.2	119
07160525	5	0.437	11.1	138
07161225	12	0.618	15.7	285
07161825	18	0.748	19.0	432
▶ 12 AWG (≈ 52/28) • 4.00 mm ²				
07160440	4	0.476	12.1	174

item no.	no. of conductors incl. ground	nominal outer- inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) • 6.00 mm ²				
07160460	4	0.559	14.2	246
▶ 8 AWG (≈ 77/26) • 10.00 mm ²				
07160461	4	0.697	17.7	403
▶ 6 AWG (≈ 122/26) • 16.00 mm ²				
07160462	4	0.866	22.0	607
▶ 4 AWG (≈ 190/26) • 25.00 mm ²				
07160163	1	0.433	11.0	206
07160463	4	1.016	25.8	875
▶ 2 AWG (≈ 272/26) • 35.00 mm ²				
07160464	4	1.173	29.8	1203

item no.	no. of conductors incl. ground	nominal outer- inch	mm	cable weight ≈ lbs/mft
▶ 1 AWG (≈ 400/26) • 50.00 mm ²				
07160165	1	0.575	14.6	408
07160465	4	1.315	33.4	1653
▶ 2/0 AWG (≈ 543/26) • 70.00 mm ²				
07160166	1	0.673	17.1	539
▶ 3/0 AWG (≈ 484/24) • 95.00 mm ²				
07160167	1	0.787	20.0	736
▶ 4/0 AWG (≈ 589/24) • 120.00 mm ²				
07160168	1	0.862	21.9	881

Other dimensions and colors are possible on request.