



Flat- and round cables for festoon systems - böhmflex FESTOON C-PUR 0,6/1 kV  
 ● fire behaviour adapted to IEC 60332-2-1

## Technical attributes

Standards	according to DIN VDE 0250
Conductor material	annealed Cu, bare
Conductor type	flexible
Conductor standard	DIN VDE 0295/IEC 60228
Conductor category	5
Core insulation	based on Polyester
Core colours	DIN VDE 0293-308 ≤ 5 cores: colour-coded, with/without GN/YE-protection conductor; ≥ 6 cores: white, number-coded, with/without GN/YE-protection conductor
Stranding	cores stranded in layers
suspension element	central textile element
Inner sheath	pur
1. Separating layer	PETP-foil
Screening	Cu-braiding, tinned
2. Separating layer	Polyester fleece
Outer sheath	pur
Outer sheath colour	black
Temperature range min., mobile operation	-40 °C
Temperature range max., mobile operation	+90 °C
Temperature range min., fixed installation	-50 °C
Temperature range max., fixed installation	+90 °C
Temperature at conductor max.	+90 °C
Nominal voltage U <sub>0</sub> /U	0,6/1 kV
Test voltage	2500 V
Tensile load without suspension element max.	25 N/mm <sup>2</sup>
Minimum bending radius, mobile operation	6 x cable-Ø
Minimum bending radius, fixed installation	6 x cable-Ø
RoHS-compliant	ja

## Description

Applicable as power and control cables, particularly in festoon systems, drag chains with moving parts, in hoists, transport equipment, machine tools, cranes and container cranes, etc., with medium mechanical stresses and operationally strong bends in one level, in dry, damp and wet rooms and outdoors. Because of the Cu-screen the electromagnetic interference will be prevented. Suitable for continuous use in water (no drinking water) up to 50 m water depth.

## Note

- fire behaviour adapted to IEC 60332-2-1
- oil-resistant EN 60811-2-1
- halogen-free
- LABS- and silicone-free

## Product table



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product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
00831002	böhmflex FESTOON C-PUR 0,6/1 kV 4G1,5 bk	180,00	99,00	12,50	black
00831003	böhmflex FESTOON C-PUR 0,6/1 kV 4G2,5 bk	257,00	143,00	13,50	black
00831009	böhmflex FESTOON C-PUR 0,6/1 kV 4G10 bk	640,00	428,00	19,80	black
00831010	böhmflex FESTOON C-PUR 0,6/1 kV 4G25 bk	1520,00	1052,00	30,00	black
00831004	böhmflex FESTOON C-PUR 0,6/1 kV 4G35 bk	2037,00	1574,00	34,10	black
00831005	böhmflex FESTOON C-PUR 0,6/1 kV 4G50 bk	2780,00	2189,00	37,80	black
00831006	böhmflex FESTOON C-PUR 0,6/1 kV 12G1,5 bk	374,00	249,00	19,30	black
00831007	böhmflex FESTOON C-PUR 0,6/1 kV 12G2,5 bk	540,00	377,00	20,80	black
00831008	böhmflex FESTOON C-PUR 0,6/1 kV 18G1,5 bk	419,00	350,00	19,60	black