



Festoonflex C-PUR-HF

Application: Power and control cable for very high mechanical requirements, frequently bendings, especially for use in trolley systems drag chains on moving parts of machines, convey- or facilities. Suitable for dry, humid and wet rooms and for outdoor use.

Special features: - free from lacquer damaging substances and silicone (during production)

- halogen-free
- FESTOONFLEX PUR-HF also available with shielded twisted pairs, see table
- also available on request for permanent use in water (no drinking water) up to 50m diving depth

Remarks: - conform to RoHS
- conform to 2006/95/EC-Guideline CE
- for travelling speed on cable trolleys up to 240m/min
- permanent tensile loading without supporting element
max. 25N/mm² dynamic
- we are pleased to produce special versions, other dimensions, core and jacket colours on request

Structure & Specifications

Conductor material: bare copper strand
Conductor class: acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl.5
Core insulation: based on polyester
Core identification: acc. to DIN 0293-308 up to 5 wires coloured, from 6 wires white with black numerals with or without GNYE
Stranding: cores stranded in layers
Supporting element: multicore cables with central textile element
Inner Sheath material: PUR, only cables with 2, 3, 4 and 5 cores and cables with twisted pairs
Protection against contact: PETP-foil, overlapped
Shield: copper braid tinned, coverage ca. 85%
Protection against contact: Polyesterfleece, overlapped
Outer sheath: PUR
Sheath colour: black
Printing: yes
Rated voltage: U₀/U: 0,6/1 kV
Testing voltage: 2,5 kV
Current carrying capacity: acc. to DIN VDE, see Technical Guideline
Min. bending radius: fixed 6xd
moved 6xd
Operat. temperature: fixed -50°C to +90°C
moved -40°C to +90°C
Temperature at conductor: +90°C
Burning behavior: similar to IEC 60332-2-1
Resistant to oil: acc. to EN 60811-2-1
Standard: similar to DIN VDE 0250

Festoonflex C	Dimension n x mm ²	Outer-Ømm (min-max)	Cu-index kg/km	Weight kg/km	Item-No.
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PUR-HF -0	1 x 25	10,7 - 11,6	310,0	325,0	2614001025
PUR-HF -0	1 x 35	12,5 - 13,3	406,0	435,0	2614001035
PUR-HF -0	1 x 50	15,6 - 16,4	550,0	605,0	2614001050
PUR-HF -0	1 x 70	17,3 - 18,1	747,0	808,0	2614001070
PUR-HF -0	1 x 95	19,1 - 19,9	998,0	1035,0	2614001095
PUR-HF -0	1 x 120	21,2 - 22,2	1306,0	1321,0	2614001120
PUR-HF -0	1 x 150	23,3 - 24,3	1613,0	1643,0	2614001150
PUR-HF -0	1 x 185	25,8 - 27,0	1903,0	1994,0	2614001185
PUR-HF -0	1 x 240	28,7 - 29,9	2474,0	2488,0	2614001240
PUR-HF -0	2 x 1,5	9,4 - 11,4	74,0	140,0	2614002015
PUR-HF - 0	4 x (2 x 1)	16,1 - 16,9	140,0	440,0	261404x2x1
PUR-HF - 0	3 x (2 x 1,5)	16,1 - 17,5	153,0	346,0	26143x2x15
PUR-HF - 0	4 x (2 x 1,5)	17,5 - 19,5	237,0	446,0	26144x2x15
PUR-HF - J	4 x 1,5	11,0 - 11,8	118,0	235,0	2614004015
PUR-HF - J	5 x 1,5	11,3 - 12,9	132,0	225,0	2614005015
PUR-HF - J	7 x 1,5	11,1 - 11,9	192,0	214,0	2614007015
PUR-HF - J	12 x 1,5	15,4 - 16,2	250,0	359,0	2614012015
PUR-HF - J	18 x 1,5	15,4 - 16,2	341,0	418,0	2614018015
PUR-HF - J	4 x 2,5	12,3 - 13,1	157,0	248,0	2614004025
PUR-HF - J	5 x 2,5	13,0 - 13,8	190,0	277,0	2614005025
PUR-HF - J	12 x 2,5	17,6 - 18,4	370,0	526,0	2614012025
PUR-HF - J	18 x 2,5	17,6 - 18,4	621,0	624,0	2614018025
PUR-HF - J	4 x 4	13,8 - 14,6	221,0	326,0	2614004040
PUR-HF - J	5 x 4	14,0 - 16,0	277,0	345,0	2614005040
PUR-HF - J	4 x 6	15,3 - 16,1	300,0	414,0	2614004060
PUR-HF - J	4 x 10	18,6 - 19,4	454,0	643,0	2614004010

PUR-HF - J	4 x 16	21,4 - 22,4	694,0	935,0	2614004016
PUR-HF - J	4 x 25	21,4 - 22,4	1050,0	1361,0	2614004025
PUR-HF - J	4 x 35	24,8 - 26,0	1444,0	1871,0	2614004035
PUR-HF - J	4 x 50	35,8 - 36,8	2124,0	2552,0	2614004050
PUR-HF - 0	4 x (2 x 1)C	16,1 - 16,9	206,0	348,0	261404x2x1
PUR-HF - 0	6 x (2 x 1)C	19,3 - 20,1	265,0	497,0	261406x2x1
PUR-HF - 0	2 x (2 x 1,5)C	14,9 - 16,3	193,0	277,0	26142x2x15
PUR-HF - 0	3 x (2 x 1,5)C	17,5 - 19,5	221,0	330,0	26143x2x15
PUR-HF - 0	2 x (2 x 2,5)C	17,5 -19,5	215,0	380,0	26142x2x25
PUR-HF - 0	3 x (2 x 2,5)C	19,5 - 21,5	245,0	410,0	26143x2x25

- Further formats available on request
- All data and products subject to change