



## INNOVCABLE FESTFLEX PUR-HF



- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Vein insulation: INNOVLON special compound
- Vein colours: Black or white sequentially numbered veins with or without green earth (G) according to VDE 0293.
- Conductors twisted in layers.
- Central textile element.
- Outer jacket: PUR special for mobile applications; resistant to hydrolysis, oxidation, heat, low temperature flexibility, impacts, abrasion, oils, greases, lubricants, coolants, gasoline, paraffin, UV, ozone and weathering.
- Black outer cover.
- Rated voltage: 0.6/1KV.
- Test voltage: 2.500V
- Bending radius: Fixed use: 12 x d / Mobile use: 6 x d
- Conductor resistance: According to VDE 0295 class 5 and IEC 60228 class 5.

### Identification

INNOVCABLE FESTFLEX PUR-HF n(G) X mm<sup>2</sup> 0,6/1KV OF:XXXX/YEAR.

### Applicable Specifications

DIN VDE 0295 CLASS 5



IEC 60228 CLASS 5

DIN EN 60332-2-1 (optional) see notes.

DIN VDE 0250

VDE 0293

## Applications

Halogen-free power and control cables with very high mechanical requirements, which are often stranded. For use in lifting systems, trolleys, festoons, moving machine parts, conveyor installations. Excellent life span and resistance to mechanical stress, used in low winding systems. Resistant to hydrolysis, oxidation, heat, low temperature flex, abrasion, oils, greases, lubricants, coolants, gasoline, paraffin, UV resistance, ozone and weathering. Used for speeds up to 240 m/min. Permanent tensile load without load-bearing element max. 25 N/mm<sup>2</sup>. Can be applied for use in water up to a depth of 50 m.

## Maximum Conductor Temperature

Min/max: -40° C / +90° C

## Notes

- We can produce upon request several other cable options and configurations. Innovcable reserves the right to change this catalogue without prior notice.
- On request we can produce PUR AC (flame retardant) cables with fire performance: according to IEC 60332-2-1



## DADOS DIMENSIONAIS

Dimensional x m <sup>2</sup>	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
<b>FESTFLEX PUR HF-O</b>			
1X16	8,2-10,2	154,0	188,0
1X25	9,6-11,6	240,0	271,0
1X35	12,0-14,0	336,0	368,0
1X50	13,5-15,5	480,0	533,0
1X70	16,0-18,0	672,0	748,0
1X95	17,6-19,6	912,0	970,0
1X120	19,0-22,0	1.152,0	1.215,0
1X150	21,0-24,0	1.440,0	1.552,0
1X185	23,5-26,5	1.776,0	1.830,0
1X240	27,5-30,5	2.304,0	2.450,0
<b>FESTFLEX PUR HF-J</b>			
3X1,5	6,7-8,3	43,0	91,0
4X1,5	7,7-9,3	58,0	110,0
7X1,5	9,0-11,0	101,0	170,0
12X1,5	13,8-15,9	173,0	323,0
18X1,5	14,0-16,0	259,0	384,0
24X1,5	16,0-18,0	346,0	480,0
30X1,5	20,0-22,0	432,0	680,0
4X2,5	8,8-10,4	96,0	160,0
5X2,5	9,6-11,2	120,0	190,0
7X2,5	11,0-13,0	168,0	260,0
12X2,5	16,0-18,0	288,0	467,0
18X2,5	16,5-18,5	432,0	576,0
24X2,5	19,0-21,0	576,0	758,0
30X2,5	25,5-27,5	720,0	1.080,0



Dimensional nxmm <sup>2</sup>	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4X4	10,0-12,0	154,0	214,0
5X4	10,7-12,8	192,0	280,0
4X6	11,3-13,3	230,0	315,0
5X6	13,0-15,0	288,0	402,0
4X10	14,5-16,5	384,0	510,0
5X10	15,7-16,8	480,0	629,0
4X16	17,5-19,5	614,0	765,0
5X16	19,2-21,3	768,0	950,0
4X25	20,5-23,5	960,0	1.150,0
5X25	24,3-27,3	1.200,0	1.430,0
4X35	26,0-29,0	1.344,0	1582,0
4X50	28,5-32,5	1.920,0	2.175,0