

## INNOVCABLE MOVFLEX ROBOT PUR-AC



- Conductor material: bare copper wire
- Conductor class: DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Vein insulation: INNOVLON - special compound for mobile applications, halogen-free
- White or black veins identified by sequential numbers in accordance with VDE 0293 with green ground (G)
- Central core (where applicable), torsion resistant
- Twisted in bundles
- Outer jacket: PUR-AC, special compound resistant to oils, greases, lubricants, coolants and acids, halogen-free
- Outer cover in colour BLACK, RAL 9005
- Rated voltage: up to $0.75 \mathrm{~mm}^{2}-300 / 500 \mathrm{~V}$; over $1.00 \mathrm{~mm}^{2}-500 / 750 \mathrm{~V}$
- Voltage test: up to $0,75 \mathrm{~mm}^{2}-2000 \mathrm{~V}$; over $1,00 \mathrm{~mm}^{2}-3000 \mathrm{~V}$
- Conductor resistance: according to VDE 0295 class 5 and IEC 60228 class 5
- Insulation resistance: Min. $20 \mathrm{M} \Omega \mathrm{X} \mathrm{Km}$ at $20^{\circ} \mathrm{C}$.
- Min. fixed bending radius: $10 \times \mathrm{d}$.

- Min. movable bending radius: $5 \times \mathrm{d}$
- Fire behaviour: according to VDE 0482-332-2-1 and DIN EN 60332-2-1 self-extinguishing and flame retardant
- Torção: < $10 \mathrm{~mm}- \pm 360^{\circ} / 1,0 \mathrm{~m} ; \geq 10 \mathrm{~mm}- \pm 360^{\circ} / 1,2 \mathrm{~m} ; \geq 15 \mathrm{~mm}- \pm 360^{\circ} / 1,6 \mathrm{~m} ; \geq 20 \mathrm{~mm}-$ $\pm 360^{\circ} / 2,0 \mathrm{~m}$


## Identification

INNOVCABLE - MOVFLEX ROBOT PUR-AC n x mm² 300/500V OR 500/750V +90º OF:XXXX/YEAR.

Applicable Specifications

DIN VDE 0295 CLASS 6

IEC 60228 CLASS 6

DIN VDE 0293

RAL 9005

VDE 0482-332-2-1

DIN EN 60332-2-1

## Applications

Cable for control and power application in rotary tables, robotic assembly and welding systems involving torsion and constant motion. Special extrusion technology enables longer life and durability in continuous motion. Flame retardant, halogen free. Resistant to oils, greases,

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lubricants, coolants and acids. Excellent cost/benefit ratio. Low weight and low dimensional. Excellent resistance to abrasion and excellent durability, even under severe conditions of constant twisting.

## Maximum Conductor Temperature

Min/max: $-50^{\circ} \mathrm{C} /+90^{\circ} \mathrm{C}$
Notes

- We can produce upon request several other cable options and configurations.
- Innovcable reserves the right to change this catalogue without prior notice.
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| DADOS DIMENSIONAIS |  |  |  |
| :---: | :---: | :---: | :---: |
| Dimensional $\mathrm{nxmm}{ }^{2}$ | Diâmetro extemo $\emptyset \mathrm{mm}$ | Peso do cobre $\mathrm{kg} / \mathrm{km}$ | Peso $\mathrm{kg} / \mathrm{km}$ |
| 390,5 | 4,9 | 14,4 | 32,0 |
| 400,5 | 5,3 | 19,2 | 40,0 |
| 560,5 | 6.2 | 24,0 | 53,0 |
| 760,5 | 7.1 | 33,6 | 71,0 |
| 10G0,5 | 8,6 | 48,0 | 100,0 |
| 12G0,5 | 8,7 | 57,6 | 113,0 |
| 18G0,5 | 10,0 | 85,4 | 158,0 |
| 20G0,5 | 10,5 | 95,0 | 174,0 |
| 24G0,5 | 11.5 | 115,2 | 205,0 |
| 360,75 | 5,8 | 21,6 | 47,0 |
| 490,75 | 6.2 | 28,8 | 58,0 |
| 560,75 | 6,6 | 36,0 | 70,0 |
| 760,75 | 8.2 | 50,4 | 102,0 |
| 10G0,75 | 9.5 | 72,0 | 141,0 |
| 1290,75 | 9,9 | 86,4 | 151,0 |
| 1890,75 | 11,0 | 129,6 | 215,0 |
| 20G0,75 | 11,6 | 144,0 | 237,0 |
| 2490,75 | 12,7 | 172,8 | 282,0 |
| $3 \mathrm{S1}$ | 6.2 | 28,8 | 57,0 |
| $4 \mathrm{G1}$ | 6,7 | 38,4 | 71,0 |
| 5 G 1 | 7,2 | 43,0 | 85,0 |
| 761 | 8,9 | 67,2 | 125,0 |
| $10 \mathrm{G1}$ | 10,4 | 96,0 | 175,0 |
| $12 \mathrm{G1}$ | 10,7 | 115,2 | 188,0 |
| $18 \mathrm{G1}$ | 12,0 | 172,8 | 269,0 |
| 2061 | 13,1 | 192,0 | 309,0 |
| $24 \mathrm{G1}$ | 14,3 | 230,4 | 357,0 |
| $3 \mathrm{G1,5}$ | 6,6 | 43,2 | 72,0 |
| 461,5 | 7.2 | 57,6 | 91,0 |
| 561,5 | 7,8 | 72,0 | 110,0 |
| 761,5 | 9,5 | 100,8 | 160,0 |
| 10G1,5 | 11,2 | 144,0 | 225,0 |
| 12G1,5 | 11,6 | 172,8 | 245,0 |
| 18G1,5 | 13,0 | 259,2 | 354,0 |
| 2061,5 | 14.2 | 288,0 | 404,0 |
| 24G1,5 | 15,6 | 345,6 | 482,0 |
| 3G2,5 | 8,1 | 72,0 | 111,0 |
| 4G2,5 | 9,2 | 95,0 | 150,0 |
| 5G2,5 | 10,0 | 120,0 | 183,0 |
| 7G2,5 | 11,9 | 168,0 | 252,0 |
| 12G2,5 | 14.4 | 288,0 | 405,0 |
| 18G2,5 | 17,5 | 432,0 | 611,0 |

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