



INNOVCABLE MOVFLEX ROBOT PUR



- 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, special compound resistant to oils, greases, lubricants, coolants and acids, halogen-free
- Outer cover in colour BLACK, RAL 9005
- Rated voltage: up to 0.75mm² - 300/500V; over 1.00mm² - 500/750V
- Voltage test: up to 0,75mm² - 2000V; over 1,00mm² - 3000V
- Conductor resistance: according to VDE 0295 class 5 and IEC 60228 class 5
- Insulation resistance: Min.20 MΩX Km at 20°C.
- Min. fixed bending radius: 10 x d.



- Min. movable bending radius: $6 \times d$
- Torção: $< 10 \text{ mm} - \pm 360^\circ/1,0 \text{ m}$; $\geq 10 \text{ mm} - \pm 360^\circ/1,2 \text{ m}$; $\geq 15 \text{ mm} - \pm 360^\circ/1,6 \text{ m}$; $\geq 20 \text{ mm} - \pm 360^\circ/2,0 \text{ m}$

Identification

INNOVCABLE - MOVFLEX ROBOT PUR $n \times \text{mm}^2$ 300/500V OR 500/750V +90°C
OF:XXXX/YEAR.

Applicable Specifications

DIN VDE 0295 CLASS 6

IEC 60228 CLASS 6

DIN VDE 0293

RAL 9005

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. Halogen free. Resistant to oils, greases, lubricants, coolants and acids. Excellent cost/benefit ratio. Low weight and low dimensionality. Excellent resistance to abrasion and outstanding durability, even under severe conditions of constant torsion.

Maximum Conductor Temperature

Min/max: -50°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.



DADOS DIMENSIONAIS

Dimensional n x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
3G0,5	4,9	14,4	32,0
4G0,5	5,3	19,2	40,0
5G0,5	6,2	24,0	53,0
7G0,5	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	86,4	158,0
20G0,5	10,5	96,0	174,0
24G0,5	11,5	115,2	206,0
3G0,75	5,8	21,6	47,0
4G0,75	6,2	28,8	58,0
5G0,75	6,6	36,0	70,0
7G0,75	8,2	50,4	102,0
10G0,75	9,5	72,0	141,0
12G0,75	9,9	86,4	151,0
18G0,75	11,0	129,6	215,0
20G0,75	11,6	144,0	237,0
24G0,75	12,7	172,8	282,0
3G1	6,2	28,8	57,0
4G1	6,7	38,4	71,0
5G1	7,2	48,0	86,0
7G1	8,9	67,2	125,0
10G1	10,4	96,0	175,0
12G1	10,7	115,2	188,0
18G1	12,0	172,8	269,0
20G1	13,1	192,0	309,0
24G1	14,3	230,4	367,0
3G1,5	6,6	43,2	72,0
4G1,5	7,2	57,6	91,0
5G1,5	7,8	72,0	110,0
7G1,5	9,5	100,8	160,0
10G1,5	11,2	144,0	226,0
12G1,5	11,6	172,8	245,0
18G1,5	13,0	259,2	354,0
20G1,5	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	96,0	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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