



## INNOVCABLE MOVFLEX CONTROL HIGH SK-C-PUR-AC



- **Conductor material** bare copper wires
- **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)**
- **Twisted in bundles**
- **Intermediate layer:** special PUR, resistant to oils, greases, lubricants, coolants, acids and impacts, halogen-free
- **Shielding:** Tinned copper mesh with 85% coverage
- **Outer layer:** special PUR-AC, resistant to oils, greases, lubricants, coolants, acids and impacts, halogen-free
- **Grey outer cover, RAL 7001**
- **Rated voltage:** up to 0.75mm<sup>2</sup> - 300/500V; over 1.00mm<sup>2</sup> - 500/750V



- **Voltage test:** up to 0,75mm<sup>2</sup> - 2000V; over 1,00mm<sup>2</sup> - 3000V
- **Conductor resistance:** according to VDE 0295 class 6 and IEC 60228 class
- **Insulation resistance:** Min.20 MΩX Km at 20 ° C
- **Min. fixed bending radius:** 4 x d
- **Raio min. de curvatura móvel:** 7,5 x d < 10 m | 10 x d ≥ 10 m
- **Fire behaviour:** according to VDE 0482-332-2-1 and DIN EN 60332-2-1 flame retardant

## Identification

**INNOVCABLE - MOVFLEX CONTROL HIGH SK-C-PUR-AC n x mm<sup>2</sup> 300/500V OR 500/750V  
+90°C OF:XXXX/YEAR**

## Applicable Specifications

**DIN VDE 0295 CLASS 5**

**IEC 60228 CLASS 5**

**RAL 7001**

**VDE 0482-332-2-1**

**DIN EN 60332-2-1**

## Applications

**Shielded cable for control and power applications with heavy-duty cable tray requirements for handling systems and robotic applications in wet and dry environments with protection against electromagnetic interference. The special extrusion technology allows for longer**



*life and durability in continuous motion. This cable is Halogen Free, with low smoke emission and does not produce toxic gases. Flame retardant. Resistant to oils, greases, lubricants, coolants and acids. Long life time. Flexible wire braided and drawn to create durability in continuous motion. The twisting system of the conductors and the extrusion in layers allows the relief of the cores avoiding twisting and breaking of the core Final pressure coating. High abrasion resistance for heavy duty applications and excellent service life. Best performance and durability.*

## 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 <sup>2</sup>	Diâmetro extemo Ø mm	Peso do cobre kg/km	Peso kg/km
3G0,5	6,8	29,0	61,0
4G0,5	7,2	35,0	70,0
5G0,5	8,5	51,0	100,0
7G0,5	9,4	65,0	124,0
12G0,5	10,8	99,0	169,0
18G0,5	12,9	134,0	243,0
25G0,5	14,8	181,0	319,0
3G0,75	8,1	47,0	92,0
4G0,75	8,5	58,0	105,0
5G0,75	9,0	66,0	120,0
7G0,75	10,1	85,0	152,0
12G0,75	12,1	135,0	223,0
18G0,75	14,0	188,0	313,0
25G0,75	17,1	252,0	435,0
3G1	8,5	49,0	104,0
4G1	9,0	68,0	121,0
5G1	9,3	72,0	137,0
7G1	11,4	114,0	192,0
12G1	13,3	171,0	276,0
18G1	15,1	240,0	375,0
25G1	18,3	324,0	520,0
3G1,5	8,9	72,0	122,0
4G1,5	9,4	89,0	143,0
5G1,5	10,7	109,0	175,0
7G1,5	12,3	144,0	239,0
12G1,5	14,3	279,0	344,0
18G1,5	16,8	393,0	492,0
25G1,5	18,9	533,0	682,0



Dimensional n x mm <sup>2</sup>	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
3G2,5	10,8	114,0	180,0
4G2,5	11,5	137,0	215,0
5G2,5	12,7	186,0	265,0
7G2,5	14,7	249,0	349,0
12G2,5	17,8	348,0	542,0
18G2,5	21,0	527,0	789,0
25G2,5	24,6	763,0	1.055,0
5G4	15,5	293,0	400,0
4G6	16,1	310,0	480,0
5G6	18,3	349,0	567,0
5G10	24,4	592,0	991,0
5G16	28,7	901,0	1.435,0