innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

innovcable

INNOVCABLE MOVFLEX CONTROL HIGH SK-PUR-AC

- ***Conductor material: bare copper wire***
- ***Conductor class: DIN VDE 0295 class 5 and IEC 60228 cl. 5***
- ***Vein insulation: INNOVLON special 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***
- ***Outer layer: special PUR-AC, resistant to oils, greases, lubricants, coolants and acids, halogen-free***
- ***External cover in the colour grey, RAL 7001 or orange RAL 2003***
- ***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 6 and IEC 60228 class 6***

innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

- ***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-PUR-AC n x mm² 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

RAL 2003

Applications

Cable for control and power applications with heavy-duty cable tray requirements for handling systems and Robotic applications in wet and dry environments. The special extrusion technology allows for longer life and durability in continuous motion. This cable

innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

is Halogen Free, with low smoke emission and produces no 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 with low weight and reduced dimensional space. Improved 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.

innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

innovcable

DADOS DIMENSIONAIS

Dimensionaln xmm²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
3G0,5	5,1	15,0	31,0
4G0,5	5,5	20,0	39,0
5G0,5	5,9	25,0	47,0
7G0,5	7,1	35,0	62,0
12G0,5	8,9	60,0	105,0
18G0,5	10,3	90,0	158,0
25G0,5	12,5	125,0	225,0
34G0,5	14,0	170,0	301,0
42G0,5	15,9	210,0	364,0
2X0,75	5,4	15,0	32,0
3G0,75	5,5	25,0	42,0
4G0,75	6,1	30,0	53,0
5G0,75	6,7	38,0	65,0
7G0,75	7,6	53,0	85,0
12G0,75	9,7	90,0	144,0
18G0,75	11,5	135,0	220,0
25G0,75	13,9	188,0	314,0
34G0,75	15,6	255,0	421,0
42G0,75	17,7	315,0	509,0
3G1	5,8	30,0	51,0
4G1	6,4	40,0	64,0
5G1	7,1	50,0	79,0
7G1	8,3	70,0	105,0
12G1	10,7	120,0	178,0
18G1	12,1	180,0	272,0
25G1	14,8	250,0	385,0
34G1	16,5	340,0	524,0
42G1	19,6	420,0	630,0
3G1,5	6,5	45,0	75,0
4G1,5	7,3	60,0	90,0
5G1,5	8,0	75,0	110,0
7G1,5	9,6	105,0	148,0
12G1,5	11,6	180,0	251,0
18G1,5	13,9	270,0	387,0
25G1,5	16,8	375,0	553,0
34G1,5	18,9	510,0	745,0
42G1,5	21,4	630,0	902,0

innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

innovcable

Dimensionaln xmm²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
3G2,5	8,1	75,0	105,8
4G2,5	8,7	100,0	141,0
5G2,5	9,8	125,0	173,0
7G2,5	11,8	175,0	233,0
12G2,5	15,5	300,0	399,0
18G2,5	18,5	450,0	664,0
25G2,5	22,5	625,0	875,0
4G4	12,2	160,0	248,0
5G4	13,6	200,0	305,0
7G4	16,4	280,0	408,0
1X6	7,3	60,0	95,0
4G6	14,5	240,0	376,0
7G6	19,8	420,0	620,0
1X10	8,1	100,0	138,0
4G10	16,7	400,0	521,0
7G10	22,6	700,0	856,0
1X16	10,5	160,0	203,0
4G16	24,1	640,0	900,0
7G16	32,5	1.120,0	1.481,0
1X25	12,4	250,0	311,0
4G25	28,4	1.000,0	1.331,0
1X35	13,8	350,0	433,0
1X50	15,0	500,0	590,0
1X70	18,1	700,0	900,0
1X95	18,3	950,0	1.530,0
1X120	20,0	1.200,0	2.100,0
1X150	22,2	1.500,0	2.600,0
1X185	25,3	1.884,0	2.030,0