



INNOVCABLE SERVOFLEX C PVC 1KV 4 SUPPLY COLOURS + 2 SHIELDED PAIR



- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- vein insulation: PVC / control conductors: special PE
- Power veins: black or white numbered 1, 2, 3 and green (G) // Control veins: pairs of 0,34mm² - black or white engraved BR1, BR2 // Control veins: pairs of up to 0,75mm² black or white numbered 5, 6 and 7, 8.
- Control conductor shielding in copper mesh with attenuation ≥ 55 dB.
- General shielding in tinned copper mesh, coverage approx. 85%.
- Outer jacket: special PVC resistant to oils, greases, acids, coolants and lubricants.
- Outer cover: GREY RAL7001
- Rated voltage: Power conductors 0.6/1KV; Control conductors: 350/350V
- Voltage test: Cable/cable 4000V - Cable/Mesh:2000V.
- Conductor resistance: at +20 °C according to DIN VDE 0295 class 5 and IEC 60228 class 5



- Insulation resistance: at +20 °C $\geq 20 \text{ M}\Omega \times \text{Km}$.
- Current carrying capacity: according to DIN VDE0100.
- Min. bending radius: $7,5 \times d$

Identification

- External identification marking: INNOVCABLE SERVOFLEX C PVC n G mm² + 2 X (2 x mm²) 1Kv OF: XXXX/YEAR.

Applicable Specifications

DIN VDE 0295 CLASS 5

IEC 60228 CLASS 5

RAL 7001

VDE 0100

IEC 60332-2-1

DIN VDE 0207, 0250, 0293, 0295, 0472, 0812 resp. IEC

Applications

Servo motor cable with 4 power conductors + 2 shielded pairs, use in highly automated industrial processes requiring high quality and EMI shielding. Manufactured according to the specifications of leading manufacturers of servo drives / frequency inverters and control systems as well as in compliance with VDE standards. Shielded power cable with control conductors for use in temperature or brake sensors for applications and drive systems, where normal mechanical and electrical applications are required, for fixed and flexible use, not recommended for mobile



applications. Flameproof and flame retardant according to IEC 60332-2-1. Resistant to oils, greases, acids, coolants and lubricants. Suitable for dry and wet environments.

Maximum Conductor Temperature

-30°C / +80 °C

- Flameproof and flame retardant according to IEC 60332-2-1

Notes

- We can produce on request several other cable options and configurations. Innovcable reserves the right to change this catalogue without prior notice.

DADOS DIMENSIONAIS

Dimensional x2 xmm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4G0,75+2X(2X0,34)	11,0	108,0	210,0
4G1+2X(2X0,75)	11,7	165,0	295,0
4G1,5+2X(2X0,75)	12,8	186,0	325,0
4G2,5+2X(2X0,75)	14,9	231,0	413,0
4G4+2X(2X1)	16,6	309,0	525,0
4G6+2X(2X1)	17,7	396,0	651,0

Dimensional nx2 xmm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4G10+2X(2X1)	22,0	576,0	1.000,0
4G16+2X(2X1)	25,0	826,0	1.345,0
4G25+2X(2X1,5)	29,0	1.197,0	1.745,0
4G35+2X(2X1,5)	32,5	1.642,0	2.300,0