



INNOVCABLE SERVOFLEX SK C PUR 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
- Reinforced insulation: INNOVLON
- Power veins: Black or white, numbered 1, 2, 3 and green (G)
- Control veins: black or white numbered 5, 6 and 7, 8.
- Control conductor shielding in copper mesh, with drain wire, attenuation ≥ 55 dB.
- General shielding in tinned copper mesh, drain wire, coverage approx. 85%.
- Outer cover: special PUR resistant to oils, greases, acids, coolants and lubricants, non halogenous.
- Outer layer in RAL2003 orange colour.
- Rated voltage: Power conductors 0.6/1KV; Control conductors: 350/350V
- Voltage rating test: cable/cable:4000V - cable/mesh:1500V - mesh/mesh:500V
- Conductor resistance: at +20 °C according to DIN VDE 0295 class 6 and IEC 60228 class 6
- Insulation resistance: at +20 °C ≥ 20 M Ω X Km.
- Current carrying capacity: according to DIN VDE0100.
- Min. bending radius: $7,5 \times d$



Identification

- External identification marking: INNOVCABLE SERVOFLEX SK C PUR 4+2 -n G mm² + 2 X (2 x mm²) 0,6/1KV OF: XXXX/YEAR.

Applicable Specifications

DIN VDE 0295 CLASS 6

IEC 60228 CLASS 6

RAL 2003

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 drive, robotic and industrial applications and systems, where high mechanical and electrical applications are required, for mobile use. Flameproof and flame retardant according to IEC 60332-2-1. Resistant to oils, greases, acids, coolants and lubricants. Suitable for dry and wet environments. Long life time Excellent cost/benefit ratio. Halogen free Reduced dimensional and low weight cable.



Maximum Conductor Temperature

-50°C / +120 °C

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 nx2 x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4G1+2X(2X0,75)	12,3	124,0	223,0
4G1,5+2X(2X0,75)	12,6	160,0	234,0
4G2,5+2X(2X1)	14,8	225,0	367,0
4G4+(2X1)+(2x1,5)	16,9	302,0	500,0
4G6+(2X1)+(2x1,5)	18,5	417,0	597,0

Dimensional nx2 x mm ²	Diâmetro externo Ø mm	Peso do cobre kg/km	Peso kg/km
4G10+(2X1)+(2x1,5)	22,2	586,0	881,0
4G16+2X(2X1,5)	25,5	859,0	1.209,0
4G25+2X(2X1,5)	29,8	1.240,0	1.585,0
4G35+2X(2X1,5)	31,0	1.654,0	1.918,0
4G50+2X(2X1,5)	37,4	2.320,0	2.960,0