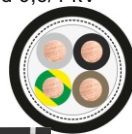


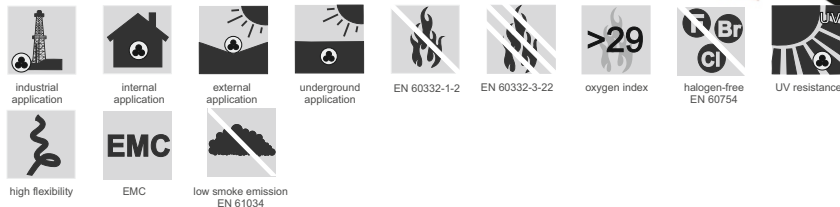
BITservo® UV 2XSLCHK-J



Flexible halogen-free motor connection cables for frequency converters (VFD), rated 0,6/1 kV



Servo motor cables



Technical data:

Thermal parameters:

Operating temperature:

fixed installation: -40 °C to 90 °C
min. installation temp.: -5 °C

Max. conductor operating temperature: 90 °C

Max. conductor temperature in shortcircuit (1 sec.): 250 °C

Electrical parameters:

Operating voltage: U₀/U = 0,6/1 kV

Test voltage: 4000 V

Insulation resistance: > 200 MΩ x km

Capacitance:

conductor/conductor = 70 to 250 nF/km
conductor/screen = 110 to 410 nF/km

Mechanical parameters:

Min. bending radius:

∅ < 20 mm – 7,5 x ∅
∅ > 20 mm – 10 x ∅

Design:

Conductors:

bare copper conductors, multi-stranded, class 5 acc. to EN 60228

Insulation:

cross-linked polyethylene (XLPE)

Core identification:

black, brown, grey, green-yellow

Core arrangement:

cores twisted together

Screens:

electrostatic screen made of aluminium backed polyester tape and a second screen made of tinned copper wire braid, total screen coverage 100%

Outer sheath:

special halogen-free compound, self-extinguishing and flame retardant (acc. to EN 60332-1-2, EN 60332-3-22, IEC 60332-3-22 cat. A), UV resistant; colour: black

Special properties:

- low capacitance
- improved current carrying capacity
- fulfillment of electromagnetic compatibility (EMC) requirements*
- self-extinguishing sheath
- UV resistant sheath

***Note:** in order to ensure optimal screen earthing and the fulfillment of electromagnetic compatibility (EMC) requirements of the connection, we recommend using metal glands or a different type of circuital earthing system (360°).

Application:

Cables with special construction, used to supply power to motors from frequency converters (VFD) while maintaining full electromagnetic compatibility (EMC). The XLPE insulation improves current carrying capacity maintaining at the same time low capacitance in comparison to PVC insulated cables. The cables are suitable for both fixed installation and flexible connections in industrial equipment, process lines, and machines operating in dry and damp rooms. Black UV-resistant sheath enables installation outside of buildings. The cable is also suitable for direct underground installations. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Current-carrying capacity *) [A]	Approximate cable weight [kg/km]
IP2620	4G1,5	11,6	23	180
IP2621	4G2,5	13,0	32	230
IP2622	4G4	14,1	42	310
IP2623	4G6	15,6	54	400
IP2624	4G10	18,2	75	610
IP2625	4G16	21,1	100	870
IP2626	4G25	25,7	127	1365
IP2627	4G35	28,5	158	1760
IP2628	4G50	33,1	192	2405
IP2629	4G70	38,2	246	3295
IP2630	4G95	42,8	298	4355
IP2631	4G120	46,5	346	5395
IP2632	4G150	53,2	399	6760
IP2633	4G185	59,6	456	8115
IP2634	4G240	66,7	528	10665
IP2635	4G300	76,5	612	13850

*)Outer diameter tolerance: +/- 5%; **) - current-carrying capacity of a single cable in air at a temperature of 30 °C

Cable Factory BITNER reserves the right to modify the specifications without prior notice

Note: on customer's request other cross sections or number of cores can be produced