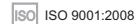


BIT 500 PUR

Flexible control cables with a polyurethane sheath, numbered conductors, 300/500 V



Technical data:

Control cable with numbered conductors, with a PVC insulation and polyurethane PUR sheath

Operating temperature:

Fixed systems: -30°C to 70°C

Mobile systems: -5°C do 70°C

Operating voltage: $U_0/U=300/500$ V

Test voltage 50Hz: 3000V

Insulation resistance: 20 MΩ x km

Min. bending radius:

Flexible connections: 7,5 x Ø

Fixed installations: 4 x Ø

Construction:

Conductors: multi-stranded copper conductors, class 5 as per PN-EN 60228

Insulation: special PVC

Conductor marking: black conductors, numbered, with or without green-yellow core (G or x - see table)

Stranding element: parallel twisted wires, cables marked * with an additional inner sheath (see table)

Sheath: polyurethane, oil resistant, resistant to petroleum derivative substances, industrial coolants (cf. chemical resistance table), UV resistant

Sheath colour: grey.

Application:

Flexible cables intended for usage in power engineering control and protective devices, control circuits, and for supplying electricity to low power receivers and mobile/portable devices.

Suitable for both fixed installation and movable connections in industrial equipment, process lines, machines operating in dry and damp rooms, and connections in external systems - UV resistant.



internal application



external application



industrial application



high flexibility



UV resistance



oil resistant



chemical resistance

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54700	2 x 0,5	5,0	33,0	9,6
S54701	3 G 0,5	5,3	39,0	14,4
S54702	3 x 0,5	5,3	39,0	14,4
S54703	4 G 0,5	5,7	47,0	19,2
S54704	4 x 0,5	5,7	47,0	19,2
S54705	5 G 0,5	6,2	58,0	24,0
S54706	5 x 0,5	6,2	58,0	24,0
S54707	6 G 0,5*	7,9	91,0	28,8
S54708	7 G 0,5*	7,9	94,0	33,6
S54709	7 x 0,5*	7,9	94,0	33,6
S54710	8 G 0,5*	8,6	109,0	38,4
S54711	10 G 0,5*	10,0	137,0	48,0
S54712	12 G 0,5*	10,3	151,0	57,6
S54713	12 x 0,5*	10,3	151,0	57,6
S54714	14 G 0,5*	10,7	168,0	67,2
S54715	14 x 0,5*	10,7	168,0	67,2
S54716	16 G 0,5*	11,4	191,0	76,8
S54717	18 G 0,5*	12,0	210,0	86,4
S54718	19 G 0,5*	12,0	214,0	91,2
S54719	20 G 0,5*	12,5	225,0	96,0
S54720	21 G 0,5*	12,5	234,0	100,8
S54721	24 G 0,5*	13,9	270,0	115,2
S54722	27 G 0,5*	14,2	291,0	129,6
S54723	30 G 0,5*	14,6	315,0	144,0
S54724	37 G 0,5*	16,1	384,0	177,6
S54725	2 x 0,75	5,4	40,0	14,4
S54726	3 G 0,75	5,7	49,0	21,6
S54727	3 x 0,75	5,7	49,0	21,6
S54728	4 G 0,75	6,2	59,0	28,8
S54729	4 x 0,75	6,2	59,0	28,8
S54730	5 G 0,75	7,0	76,0	36,0
S54731	5 x 0,75	7,0	76,0	36,0
S54732	6 G 0,75*	8,5	112,0	43,2
S54733	7 G 0,75*	8,5	116,0	50,4

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54734	7 x 0,75*	8,5	116,0	50,4
S54735	8 G 0,75*	9,6	141,0	57,6
S54736	10 G 0,75*	10,8	169,0	72,0
S54737	12 G 0,75*	11,3	192,0	86,4
S54738	12 x 0,75*	11,3	192,0	86,4
S54739	14 G 0,75*	11,8	214,0	100,8
S54740	14 x 0,75*	11,8	214,0	100,8
S54741	16 G 0,75*	12,4	239,0	115,2
S54742	18 G 0,75*	13,0	264,0	129,6
S54743	19 G 0,75*	13,0	268,0	136,8
S54744	20 G 0,75*	13,7	287,0	144,0
S54745	21 G 0,75*	13,7	299,0	151,2
S54746	24 G 0,75*	15,1	339,0	172,8
S54747	2 x 1,0	5,7	46,0	19,2
S54748	3 G 1,0	6,0	57,0	28,8
S54749	3 x 1,0	6,0	57,0	28,8
S54750	4 G 1,0	6,8	73,0	38,4
S54751	4 x 1,0	6,8	73,0	38,4
S54752	5 G 1,0	7,4	89,0	48,0
S54753	5 x 1,0	7,4	89,0	48,0
S54754	6 G 1,0*	9,3	139,0	57,6
S54755	7 G 1,0*	9,3	143,0	67,2
S54756	7 x 1,0*	9,3	143,0	67,2
S54757	8 G 1,0*	10,1	165,0	76,8
S54758	10 G 1,0*	11,6	202,0	96,0
S54759	12 G 1,0*	11,9	225,0	115,2
S54760	12 x 1,0*	11,9	225,0	115,2
S54761	14 G 1,0*	12,4	251,0	134,4
S54762	14 x 1,0*	12,4	251,0	134,4
S54763	16 G 1,0*	13,1	282,0	153,6
S54764	18 G 1,0*	13,9	319,0	172,8
S54765	19 G 1,0*	13,9	324,0	182,4
S54766	20 G 1,0*	14,5	340,0	192,0
S54767	21 G 1,0*	14,5	354,0	201,6

BIT 500 PUR

Flexible control cables with a polyurethane sheath,
numbered conductors 300/500 V

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54768	24 G 1,0*	16,4	415,0	230,4
S54769	2 x 1,5	6,4	61,0	28,8
S54770	3 G 1,5	7,0	80,0	43,2
S54771	3 x 1,5	7,0	80,0	43,2
S54772	4 G 1,5	7,6	99,0	57,6
S54773	4 x 1,5	7,6	99,0	57,6
S54774	5 G 1,5	8,3	121,0	72,0
S54775	5 x 1,5	8,3	121,0	72,0
S54776	6 G 1,5*	10,4	181,0	86,4
S54777	7 G 1,5*	10,4	189,0	100,8
S54778	7 x 1,5*	10,4	189,0	100,8
S54779	8 G 1,5*	11,5	223,0	115,2
S54780	10 G 1,5*	13,0	268,0	144,0
S54781	12 G 1,5*	13,6	307,0	172,8

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54782	12 x 1,5*	13,6	307,0	172,8
S54783	2 x 2,5	7,7	93,0	48,0
S54784	3 G 2,5	8,2	118,0	72,0
S54785	3 x 2,5	8,2	118,0	72,0
S54786	4 G 2,5	9,4	154,0	96,0
S54787	4 x 2,5	9,4	154,0	96,0
S54788	5 G 2,5	10,2	189,0	120,0
S54789	5 x 2,5	10,2	189,0	120,0
S54790	6 G 2,5*	12,2	267,0	144,0
S54791	7 G 2,5*	12,2	281,0	168,0
S54792	7 x 2,5*	12,2	281,0	168,0
S54793	8 G 2,5*	13,6	331,0	192,0
S54794	10 G 2,5*	15,4	399,0	24,0
S54795	12 G 2,5*	16,3	464,0	24,0

The Cable Factory Bitner reserves the right to modify specifications without prior notification

G - cables with a green-yellow conductor

x - cables without a green-yellow conductor

* - an additional internal filling sheath on the conductors

Note: If so requested by the customer, we can manufacture cables with a different number of conductors or cross sections different from those set forward in the table