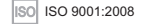
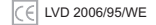
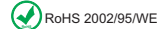


# BIT 500-CPUR

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



## Technical data:

Screened control cable with numbered conductors, with a PVC insulation, internal PVC sheath, and polyurethane PUR sheath

### Operating temperature:

Fixed systems: -30°C to 70°C

Mobile systems: -5°C to 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: 10 x Ø

Fixed installations: 5 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

**Inner sheath:** special PVC

**Screen:** made of tinned copper wire braid

**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 use in power engineering control and protective devices, control circuits, and for supplying electricity to low power receivers and mobile/portable devices. Because the cable is screened, it is suitable for executing connections at points exposed to strong electromagnetic fields, particularly in the industrial environment; following bilateral earthing of the screen, electromagnetic compatibility requirements (EMC) are satisfied. A special filling sheath additionally improves the cable's mechanical properties. 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



EMC



UV resistance



oil resistant



chemical resistance

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54850	2 x 0,5	7,1	78,0	36,1
S54851	3 G 0,5	7,4	86,0	42,0
S54852	4 G 0,5	7,8	97,0	49,0
S54853	5 G 0,5	8,3	111,0	57,3
S54854	6 G 0,5	9,3	132,0	65,9
S54855	7 G 0,5	9,3	136,0	71,7
S54856	8 G 0,5	10,0	154,0	80,7
S54857	10 G 0,5	11,0	180,0	96,6
S54858	12 G 0,5	11,5	200,0	109,4
S54859	14 G 0,5	11,9	218,0	122,7
S54860	16 G 0,5	12,4	241,0	137,5
S54861	18 G 0,5	13,0	262,0	151,3
S54862	19 G 0,5	13,0	265,0	157,0
S54863	20 G 0,5	13,7	284,0	165,2
S54864	21 G 0,5	13,7	293,0	171,0
S54865	24 G 0,5	14,9	330,0	193,8
S54866	27 G 0,5	15,2	352,0	212,3
S54867	30 G 0,5	16,0	391,0	231,8
S54868	37 G 0,5	17,1	453,0	277,5
S54869	2 x 0,75	7,5	88,0	41,6
S54870	3 G 0,75	7,8	98,0	51,3
S54871	4 G 0,75	8,3	113,0	62,3
S54872	5 G 0,75	9,3	138,0	73,6
S54873	6 G 0,75	9,9	157,0	84,9

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54874	7 G 0,75	9,9	161,0	93,3
S54875	8 G 0,75	10,6	183,0	106,2
S54876	10 G 0,75	12,0	220,0	127,0
S54877	12 G 0,75	12,3	241,0	146,5
S54878	14 G 0,75	12,8	264,0	164,8
S54879	16 G 0,75	13,6	298,0	184,7
S54880	18 G 0,75	14,2	326,0	204,1
S54881	19 G 0,75	14,2	330,0	212,5
S54882	20 G 0,75	14,7	346,0	223,3
S54883	21 G 0,75	14,7	358,0	231,7
S54884	24 G 0,75	16,5	417,0	263,5
S54885	2 x 1,0	7,8	97,0	48,2
S54886	3 G 1,0	8,1	111,0	61,8
S54887	4 G 1,0	9,1	135,0	74,9
S54888	5 G 1,0	9,7	156,0	88,9
S54889	6 G 1,0	10,3	178,0	102,9
S54890	7 G 1,0	10,3	183,0	114,0
S54891	8 G 1,0	11,3	212,0	128,6
S54892	10 G 1,0	12,6	252,0	157,1
S54893	12 G 1,0	12,9	276,0	180,8
S54894	14 G 1,0	13,6	310,0	205,5
S54895	16 G 1,0	14,3	344,0	231,0
S54896	18 G 1,0	14,9	379,0	256,0
S54897	19 G 1,0	14,9	383,0	267,1

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

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54898	20 G 1,0	15,9	415,0	281,3
S54899	21 G 1,0	15,9	430,0	292,5
S54900	24 G 1,0	17,4	485,0	332,4
S54901	2 x 1,5	8,5	119,0	61,6
S54902	3 G 1,5	9,3	144,0	79,6
S54903	4 G 1,5	9,9	168,0	98,5
S54904	5 G 1,5	10,6	197,0	119,1
S54905	6 G 1,5	11,6	230,0	137,3
S54906	7 G 1,5	11,6	238,0	153,4
S54907	8 G 1,5	12,5	273,0	174,1
S54908	10 G 1,5	14,2	330,0	213,0

Cat. no.	n x mm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S54909	12 G 1,5	14,6	365,0	247,3
S54910	2 G 2,5	10,0	167,0	89,9
S54911	3 G 2,5	10,5	196,0	121,4
S54912	4 G 2,5	11,5	234,0	150,8
S54913	5 G 2,5	12,3	276,0	183,3
S54914	6 G 2,5	13,2	320,0	214,3
S54915	7 G 2,5	13,2	333,0	241,9
S54916	8 G 2,5	14,6	389,0	275,3
S54917	10 G 2,5	16,8	479,0	338,8
S54918	12 G 2,5	17,3	534,0	396,3

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

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