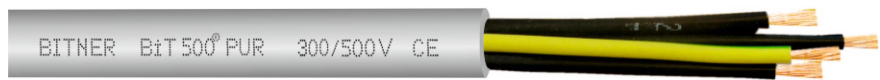


BITNER[®] BtT 500[®] PUR



Control cables 300/500 V

Flexible, PUR sheathed control cables with number coded conductors, rated 300/500 V



Technical data:

Thermal parameters:
Operating temperature:
 fixed installation: -40 °C to 80 °C
 flexible connections: -5 °C to 80 °C
 occasional flexing: -15 °C to 80 °C

Electrical parameters:
Operating voltage: $U_0/U = 300/500$ V
Test voltage (50 Hz): 3000 V
Insulation resistance: 20 MΩ x km

Mechanical parameters:

Min. bending radius:
 flexible connections: 7,5 x Ø
 fixed installation: 4 x Ø

**minimum temperature for occasional flexing with bending radius not smaller than 15 x D. Bending test at low temperature (-15 °C acc. to EN 60811-504).*

Design::

Conductors: bare copper conductors, multi-stranded class 5 acc. to EN 60228
Insulation: PVC compound
Core identification: black, number coded conductors, cables with protective earth conductor marked G (e.g. 7G1,5)
Core arrangement: cores twisted together
Outer sheath: special PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants and UV radiation; colour: grey

Application:

Flexible power and control cables with high level of resistance to environmental conditions designed for operation in control and protective devices as well as in control circuits. Also for power supply to low power portable and mobile devices. Cables are suitable for fixed installations and for flexible connections in industrial devices, technological lines and machines operating in dry and damp rooms. They can be installed outdoors – UV resistance and increased mechanical protection due to special outer sheath compound. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S54700	2x0,5	5,0	33
S54701	3G0,5	5,3	39
S54702	3x0,5	5,3	39
S54703	4G0,5	5,7	47
S54704	4x0,5	5,7	47
S54705	5G0,5	6,2	58
S54706	5x0,5	6,2	58
S54707	6G0,5	7,9	91
S54708	7G0,5	7,9	94
S54709	7x0,5	7,9	94
S54710	8G0,5	8,6	109
S54711	10G0,5	10,0	137
S54712	12G0,5	10,3	151
S54713	12x0,5	10,3	151
S54714	14G0,5	10,7	168
S54715	14x0,5	10,7	168
S54716	16G0,5	11,4	191
S54717	18G0,5	12,0	210
S54718	19G0,5	12,0	214
S54720	21G0,5	12,5	234
S54800	25G0,5	13,9	270
S54722	27G0,5	14,2	291
S54723	30G0,5	14,6	315
S54724	37G0,5	16,1	384
S54725	2x0,75	5,4	40
S54726	3G0,75	5,7	49
S54727	3x0,75	5,7	49
S54728	4G0,75	6,2	59
S54729	4x0,75	6,2	59
S54730	5G0,75	7,0	76
S54731	5x0,75	7,0	76

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S54732	6G0,75	8,5	112
S54733	7G0,75	8,5	116
S54734	7x0,75	8,5	116
S54735	8G0,75	9,6	141
S54736	10G0,75	10,8	169
S54737	12G0,75	11,3	192
S54738	12x0,75	11,3	192
S54739	14G0,75	11,8	214
S54740	14x0,75	11,8	214
S54741	16G0,75	12,4	239
S54742	18G0,75	13,0	264
S54743	19G0,75	13,0	268
S54745	21G0,75	13,7	299
S54801	25G0,75	15,1	339
S54747	2x1,0	5,7	46
S54748	3G1,0	6,0	57
S54749	3x1,0	6,0	57
S54750	4G1,0	6,8	73
S54751	4x1,0	6,8	73
S54752	5G1,0	7,4	89
S54753	5x1,0	7,4	89
S54754	6G1,0	9,3	139
S54755	7G1,0	9,3	143
S54756	7x1,0	9,3	143
S54757	8G1,0	10,1	165
S54758	10G1,0	11,6	202
S54759	12G1,0	11,9	225
S54760	12x1,0	11,9	225
S54761	14G1,0	12,4	251
S54762	14x1,0	12,4	251
S54763	16G1,0	13,1	282

BiT 500[®]PUR

Flexible, PUR sheathed control cables with number coded conductors, rated 300/500 V

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S54764	18G1,0	16,4	319
S54765	19G1,0	6,4	324
S54767	21G1,0	7,0	354
S54802	25G1,0	7,0	415
S54769	2x1,5	7,6	61
S54770	3G1,5	7,6	80
S54771	3x1,5	8,3	80
S54772	4G1,5	8,3	99
S54773	4x1,5	10,4	99
S54774	5G1,5	10,4	121
S54775	5x1,5	10,4	121
S54776	6G1,5	11,5	181
S54777	7G1,5	13,0	189
S54778	7x1,5	13,6	189
S54779	8G1,5	13,9	223
S54780	10G1,5	13,9	268

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S54781	12G1,5	14,5	307
S54782	12x1,5	13,6	307
S54783	2x2,5	7,7	93
S54784	3G2,5	8,2	118
S54785	3x2,5	8,2	118
S54786	4G2,5	9,4	154
S54787	4x2,5	9,4	154
S54788	5G2,5	10,2	189
S54789	5x2,5	10,2	189
S54790	6G2,5	12,2	267
S54791	7G2,5	12,2	281
S54792	7x2,5	12,2	281
S54793	8G2,5	13,6	331
S54794	10G2,5	15,4	399
S54795	12G2,5	16,3	464

*Outer diameter tolerance: +/- 5%

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

G - cables with green/yellow earthing conductor

x- cables without green/yellow earthing conductor

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