

BITflex® 500 CPUR

RoHS 2015/863/EU



LVD 2014/35/EU

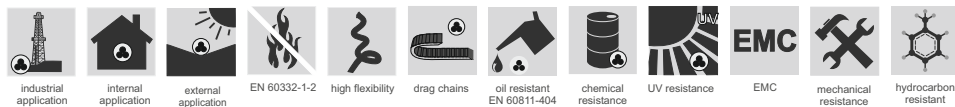
CPR

CPR 305/2011



Drag chain cables

Highly flexible, screened, PUR sheathed cables for drag chains, rated 300/500 V



Technical data:

Thermal parameters:

Operating temperature:

fixed installation: -40 °C to 80 °C
flexible connections: -5 °C to 80 °C

Electrical parameters:

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

Test voltage (50 Hz): 3000 V

Insulation resistance: 20 MΩ x km

Mechanical parameters:

Min. bending radius:

flexible connections: 10 x Ø
fixed installation: 5 x Ø

Design:

Conductors:

highly flexible, bare copper conductors, multi-stranded class 6 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 in layers with short lay length, special wrapping of separating tape between each layer PVC compound

Inner sheath:

tinned copper wire braid, coverage ≥85%, special wrapping

Screen:

with separating tape beneath the screen, special reinforcing fleece tape around the screen

Outer sheath:

special PUR compound, resistant to abrasion, oil, chemicals and industrial coolants, self-extinguishing and flame retardant (acc. to 60332-1-2), UV resistant; colour: grey, matt

Application:

Highly flexible power/control cables for installations in drag chains suitable for continuous movements and multiple bending. Designed and tested to withstand at least 5 million bending cycles in a drag chain. Common screen of tinned copper wire braid ensures very good protection against external electromagnetic field especially in industrial environment. Suitable for flexible connections in industrial devices, technological lines and machines operating in dry and damp rooms as well as outdoors – outer sheath is UV resistant. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB4700	2x0,5	6,9	70,0
SB4701	3G0,5	7,2	76,0
SB4702	4G0,5	7,9	98,0
SB4703	5G0,5	8,3	111,0
SB4704	6G0,5	9,3	132,0
SB4705	7G0,5	9,3	135,0
SB4706	8G0,5	10,0	145,0
SB4707	10G0,5	11,5	193,0
SB4708	12G0,5	11,5	207,0
SB4709	14G0,5	11,9	222,0
SB4710	16G0,5	12,4	248,0
SB4711	18G0,5	13,6	290,0
SB4712	19G0,5	13,6	293,0
SB4713	21G0,5	14,1	317,0
SB4714	24G0,5	15,3	355,0
SB4715	2x0,75	7,2	78,0
SB4716	3G0,75	7,5	90,0
SB4717	4G0,75	8,3	112,0
SB4718	5G0,75	9,1	135,0
SB4719	6G0,75	9,7	155,0
SB4720	7G0,75	9,7	160,0
SB4721	8G0,75	11,0	197,0
SB4722	10G0,75	12,1	230,0
SB4723	12G0,75	12,1	240,0
SB4724	14G0,75	12,6	265,0

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB4725	16G0,75	13,7	313,0
SB4726	18G0,75	14,3	342,0
SB4727	19G0,75	14,3	348,0
SB4728	21G0,75	14,9	376,0
SB4729	24G0,75	16,6	437,0
SB4730	2x1,0	7,6	86,0
SB4731	3G1,0	8,2	108,0
SB4732	4G1,0	9,1	136,0
SB4733	5G1,0	9,7	157,0
SB4734	6G1,0	10,3	175,0
SB4735	7G1,0	10,3	182,0
SB4736	8G1,0	11,0	203,0
SB4737	10G1,0	12,9	265,0
SB4738	12G1,0	12,9	284,0
SB4739	14G1,0	14,0	328,0
SB4740	16G1,0	14,7	365,0
SB4741	18G1,0	15,3	405,0
SB4742	19G1,0	15,3	408,0
SB4743	21G1,0	16,3	452,1
SB4744	24G1,0	17,8	509,7
SB4745	2x1,5	9,2	128,0
SB4746	3G1,5	9,6	150,0
SB4747	4G1,5	10,4	180,0
SB4748	5G1,5	11,0	210,0
SB4749	6G1,5	12,0	245,0

BiTflex[®] 500 CPUR

Highly flexible, screened, PUR sheathed cables for drag chains, rated 300/500 V

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB4750	7G1,5	12,0	255,0
SB4751	8G1,5	13,0	290,0
SB4752	10G1,5	16,0	405,0
SB4753	12G1,5	16,0	425,0
SB4754	2G2,5	10,3	175,0
SB4755	3G2,5	10,8	208,0
SB4756	4G2,5	11,9	255,0

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB4757	5G2,5	12,7	298,0
SB4758	6G2,5	14,3	365,0
SB4759	7G2,5	14,3	385,0
SB4760	8G2,5	15,5	440,0
SB4761	10G2,5	18,5	575,0
SB4762	12G2,5	18,5	615,0

*Outer diameter tolerance: +/- 5%

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

G - cables with green-yellow conductor

x - cables without green-yellow conductor

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