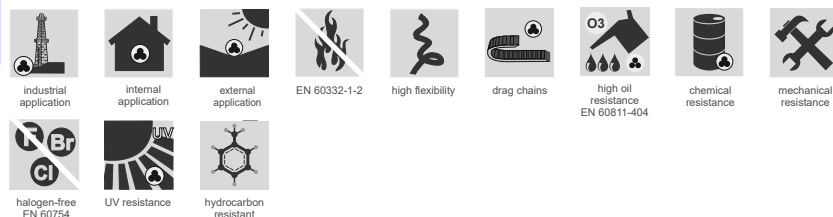


BiTflex[®] 530 PUR

Highly flexible, 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: -30 °C to 80 °C

Electrical parameters:

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

Test voltage (50 Hz): 3000 V

Insulation resistance (min): 100 MΩ x km

Mechanical parameters:

Min. bending radius:

flexible connections: 7,5 x Ø
fixed installation: 4 x Ø

Design:

Conductors:

highly flexible, bare copper conductors, multi-stranded class 6 acc. to EN 60228

Insulation:

special halogen-free TPE

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 special PUR compound, resistant to abrasion, chemicals, industrial coolants, oil resistant O3 (see Technical Data - Oil resistance of cables) flame retardant (as per EN 60332-1-2), halogen-free and UV resistant; colour: grey, matt

Outer sheath:

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 10 million bending cycles in a drag chain. Suitable for flexible installations 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	Approximate outer diameter [mm]	Calculated cable weight [kg/km]
SB3960	2x0,5	5,6	36,0
SB3961	3G0,5	5,9	43,0
SB3962	4G0,5	6,4	52,0
SB3963	5G0,5	6,9	61,0
SB3964	6G0,5	7,4	71,0
SB3965	7G0,5	7,9	80,0
SB3966	12G0,5	9,6	120,0
SB3967	18G0,5	11,0	169,0
SB3968	20G0,5	11,5	185,0
SB3969	25G0,5	13,2	229,0
SB3970	30G0,5	13,6	265,0
SB3971	36G0,5	14,6	312,0
SB3972	2x0,75	6,0	43,0
SB3973	3G0,75	6,3	52,0
SB3974	4G0,75	6,7	64,0
SB3975	5G0,75	7,3	75,0
SB3976	7G0,75	8,4	99,0
SB3977	12G0,75	10,2	151,0
SB3978	18G0,75	12,2	217,0
SB3979	25G0,75	14,1	292,0
SB3980	36G0,75	15,7	400,0
SB3981	2 x1,0	6,7	54,0
SB3982	3G1,0	7,0	66,0
SB3983	4G1,0	7,6	81,0

Cat. no.	n x mm ²	Approximate outer diameter [mm]	Calculated cable weight [kg/km]
SB3984	5G1,0	8,1	96,0
SB3985	7G1,0	9,4	126,0
SB3986	12G1,0	11,4	192,0
SB3987	18G1,0	13,2	271,0
SB3988	25G1,0	15,7	369,0
SB3989	30G1,0	16,3	429,0
SB3990	36G1,0	17,5	507,0
SB3991	2x1,5	7,3	69,0
SB3992	3G1,5	7,5	85,0
SB3993	4G1,5	8,2	105,0
SB3994	5G1,5	8,8	125,0
SB3995	7G1,5	10,5	168,0
SB3996	12G1,5	12,3	257,0
SB3997	18G1,5	15,3	376,0
SB3998	25G1,5	17,7	508,0
SB3999	36G1,5	19,8	702,0
SB4000	3G2,5	9,0	131,0
SB4001	4G2,5	9,7	164,0
SB4002	5G2,5	10,6	197,0
SB4003	7G2,5	12,4	265,0
SB4004	12G2,5	15,2	418,0
SB4005	18G2,5	18,4	611,0
SB4006	25G2,5	21,3	831,0

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