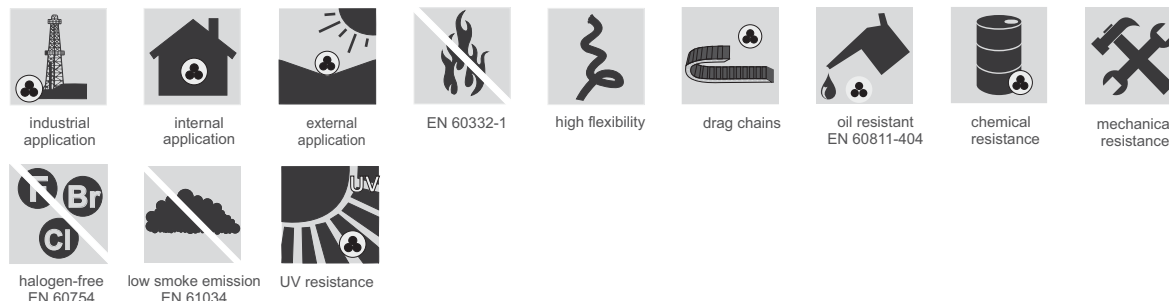


BiTflex® 530 PUR

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



Drag chain cables



Technical data:

Operating temperature:

Fixed installation: -40°C to 80°C

Flexible connections: -30°C to 80°C

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

Test voltage (50Hz): 3000V

Insulation resistance (min): 100MΩ x km

Min. bending radius:

Flexible connections: 7,5xØ

Fixed installation: 4xØ

Construction:

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

Insulation: special halogen-free TPE or PP

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

Outer sheath: special PUR compound, resistant to abrasion, oil, chemicals, industrial coolants, flame retardant (as per EN 60332-1), halogen-free and UV resistant

Outer sheath colour: grey, mat

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	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
SB3960	2x0,5	5,0	35	9,6
SB3961	3G0,5	5,3	40	14,2
SB3962	4G0,5	5,7	43	19,0
SB3963	5G0,5	6,3	55	24,0
SB3964	6G0,5	7,1	65	28,0
SB3965	7G0,5	7,3	72	35,0
SB3966	12G0,5	8,7	110	56,0
SB3967	18G0,5	10,4	155	86,0
SB3968	20G0,5	11,5	180	96,0
SB3969	25G0,5	12,7	210	120,0
SB3970	30G0,5	13,6	250	140,0
SB3971	36G0,5	14,2	280	172,0
SB3972	2x0,75	5,5	40	14,0
SB3973	3G0,75	5,7	48	21,8
SB3974	4G0,75	6,4	56	29,0
SB3975	5G0,75	7,0	70	36,0
SB3976	7G0,75	8,3	95	50,0
SB3977	12G0,75	10,0	145	86,0
SB3978	18G0,75	11,9	210	130,0
SB3979	25G0,75	14,7	300	180,0
SB3980	36G0,75	16,2	400	259,0
SB3981	2 x 1,0	5,9	48	19,2
SB3982	3G1,0	6,3	58	29,0
SB3983	4G1,0	6,9	70	38,0

Cat. no.	n x mm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
SB3984	5G1,0	7,5	85	48,0
SB3985	7G1,0	9,0	120	67,0
SB3986	12G1,0	10,8	180	115,0
SB3987	18G1,0	13,0	260	173,0
SB3988	25G1,0	16,0	360	240,0
SB3989	30G1,0	17,0	450	285,0
SB3990	36G1,0	17,8	510	346,0
SB3991	2x1,5	6,6	60	28,8
SB3992	3G1,5	7,0	78	43,0
SB3993	4G1,5	7,7	100	58,0
SB3994	5G1,5	8,5	120	72,0
SB3995	7G1,5	10,2	170	101,0
SB3996	12G1,5	12,3	250	173,0
SB3997	18G1,5	14,7	400	259,0
SB3998	25G1,5	18,0	540	360,0
SB3999	36G1,5	20,0	730	518,0
SB4000	3G2,5	8,7	120	72,0
SB4001	4G2,5	9,6	150	96,0
SB4002	5G2,5	10,7	190	120,0
SB4003	7G2,5	12,9	250	168,0
SB4004	12G2,5	15,9	450	288,0
SB4005	18G2,5	18,8	660	432,0
SB4006	25G2,5	23,1	890	600,0

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