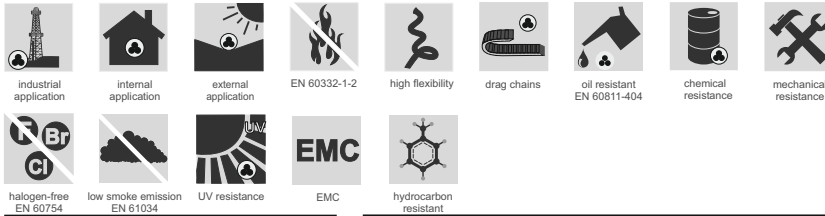


# BITNER® 530 CPUR



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: -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: 10 x Ø  
fixed installation: 5 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 halogen-free TPE

### Inner sheath:

tinned copper wire braid, coverage ≥85%, special

### Screen:

wrapping with separating tape beneath the screen, special reinforcing fleece tape around the screen special PUR compound, resistant to abrasion, oil, chemicals, industrial coolants, flame retardant (as per 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. Common screen of tinned copper wire braid ensures very good protection against external electromagnetic field especially in industrial environment. 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 <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB3900	2x0,5	6,7	70,0
SB3901	3G0,5	7,0	78,0
SB3902	4G0,5	7,5	90,0
SB3903	5G0,5	8,0	105,0
SB3904	6G0,5	8,5	115,0
SB3905	7G0,5	8,5	125,0
SB3906	12G0,5	10,7	180,0
SB3907	18G0,5	12,3	240,0
SB3908	20G0,5	12,8	260,0
SB3909	25G0,5	14,3	315,0
SB3910	30G0,5	14,7	355,0
SB3911	36G0,5	16,0	410,0
SB3912	2x0,75	7,3	80,0
SB3913	3G0,75	7,6	90,0
SB3914	4G0,75	8,0	105,0
SB3915	5G0,75	8,6	120,0
SB3916	7G0,75	9,9	155,0
SB3917	12G0,75	11,5	225,0
SB3918	18G0,75	13,3	300,0
SB3919	25G0,75	15,6	395,0
SB3920	36G0,75	17,3	515,0

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
SB3921	2 x1,0	7,7	100,0
SB3922	3G1,0	8,0	110,0
SB3923	4G1,0	8,6	130,0
SB3924	5G1,0	9,2	155,0
SB3925	7G1,0	10,0	185,0
SB3926	12G1,0	12,6	270,0
SB3927	18G1,0	14,4	370,0
SB3928	25G1,0	17,0	495,0
SB3929	30G1,0	17,5	560,0
SB3930	36G1,0	18,9	655,0
SB3931	2x1,5	8,3	105,0
SB3932	3G1,5	8,7	125,0
SB3933	4G1,5	9,5	150,0
SB3934	5G1,5	10,2	176,0
SB3935	7G1,5	11,7	240,0
SB3936	12G1,5	13,9	345,0
SB3937	18G1,5	16,2	475,0
SB3938	25G1,5	19,1	640,0
SB3939	36G1,5	21,2	850,0
SB3940	3G2,5	10,2	180,0
SB3941	4G2,5	11,0	216,0