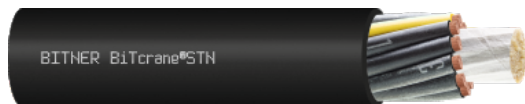


# BiTcrane®STN



Highly flexible rubber cable with supporting element, rated 450/750 V



## Technical data:

### Thermal parameters:

#### Ambient temperature:

fixed installation: -40 °C to 80 °C  
flexible operation: -30 °C to 80 °C

#### Max. operating temp. on conductor:

during operation: 90 °C  
during short-circuit: 250 °C

### Mechanical parameters:

Insulation resistance: 20 MΩxkm

Min. bending radius: 10 x Ø

## Design:

### Conductors:

#### Insulation:

plain copper wires, class 6 acc. to DIN EN/IEC 60228

EPR compound type 3G13 acc. to DIN VDE 0207-20;

core identification:

≤ 6 cores: colour-coded with GN/YE protective conductor;  
≥ 6 cores: black, numbered, with GN/YE protective conductor;

cores stranded around center element

textile or aramid-based strain relief element

rubber compound acc. to DIN VDE 0207-21, type 5GM3,

resistant to oil, ozone and UV radiation, flame retardant;

colour: black with white imprint

### Core arrangement:

#### Carrier element:

#### Outer sheath:

## Application:

Highly flexible cable with strain relief element for use in lifting equipment, transportation, construction equipment and shipyard machinery. It is highly resistant to weather conditions, UV, moisture, water, polluted water and sea water. BiTcrane®STN can be used indoors and outdoors without any additional restrictions. Its central element increases the mechanical strength of the cable so that free hanging lengths of up to 80 m. can be used.

## Chemical parameters:

Resistance to oil:

DIN EN / IEC 60811-404

Behaviour in case of fire:

DIN EN / IEC 60332-1-2

Weather resistance:

unrestricted use indoors, outdoors, resistance to ozone, UV and moisture

## Electrical parameters:

Rated voltage U <sub>0</sub> /U [kV]	450/750 V
AC. test voltage:	3 kV

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]	Tensile strength [N]
IP5260	3G1,0	9,8	140	300
IP5261	4G1,0	9,8	150	300
IP5262	5G1,0	10,5	175	300
IP5263	7G1,0	12,4	240	2500
IP5264	9G1,0	14,5	320	2500
IP5265	12G1,0	18,4	485	2500
IP5266	18G1,0	18,7	540	1550
IP5267	24G1,0	22,4	750	2500
IP5268	3G1,5	10,0	165	300
IP5269	4G1,5	10,7	180	300

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Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]	Tensile strength [N]
IP5270	5G1,5	11,2	210	1000
IP5271	7G1,5	13,1	290	2500
IP5272	8G1,5	14,9	350	2500
IP5273	9G1,5	15,9	400	2500
IP5274	12G1,5	19,5	570	2500
IP5275	18G1,5	20,5	690	2000
IP5276	24G1,5	23,7	900	2500
IP5277	3G2,5	12,6	250	300
IP5278	4G2,5	12,6	272	350
IP5279	5G2,5	13,2	320	1200
IP5280	7G2,5	16,4	450	2500
IP5281	9G2,5	18,9	600	2500

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

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

\*Outer diameter tolerance:  $\pm 5\%$