

# BITNER AQUA POWER

PE sheathed, armored power cables for submersible applications, rated 0.6/1kV



Special application cables



## Technical data:

### Thermal parameters:

**Conductor operating temperature:** 90 °C

**Operating temperature:**

-30 °C up to 80 °C

**Installation temperature:**

-5 °C up to 50 °C

### Electrical parameters:

**Operating voltage:** 600/1000 V

**Test voltage 4000 V:** 50 Hz

### Mechanical parameters:

**Minimum bending radius:** 10 x Ø

## Design:

### Conductors:

bare copper class 2 acc. to IEC 60228 (\*class 5 tinned copper available on customer's request)

### Insulation:

XLPE

### Core identification:

see table (\*other insulation colours available on request)

### Central element:

filling element (\*tube available on customer's request)

### Core arrangement:

cores twisted together around central filler (\*FO element available on customer's request)

### Separator:

PPS tape

### Inner sheath:

special PUR

### Separator:

PPS tape

### Armor:

galvanized steel wire armor with helically applied anti-torsion tape; PE, colour: black

## Application:

Power supply cable designed for submersible applications in salt water at max. depth of 300m. PE sheath and galvanized steel wire armor ensure high mechanical resistance.

### Insulation colours:

Number of cores	Colours
Cables without protective cores	brown, black, grey
3	blue, brown, black, grey
4	
Cables with protective cores	
3	green-yellow, blue, brown
4	green-yellow, brown, black, grey

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
EN5300	3x16	24,4	1386
EN5301	3G50	34,5	2886
EN5302	3G95	43,0	4930
EN5303	3x120	48,2	6060

# BiTsteel AQUA POWER

PE sheathed, armored power cables for submersible applications, rated 0.6/1kV

## BiTsteel AQUA POWER (t)

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
EN5310	3G50	41,1	3678
EN5311	3G95	52,8	6341
EN5312	3x120	55,6	7350

## BiTsteel AQUA POWER FO

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
EN5320	3x95	43,0	4935
EN5321	3x120	47,8	5995
EN5322	3x150	53,8	7586

## BiTsteel AQUA POWER (t) FO

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
EN5330	3x50	41,6	3670
EN5331	4x50	41,6	4010

\*Outer diameter tolerance: +/-5%

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