

BiTsensor® AQUA signal

Flexible, unshielded cable designed for lighting installations



internal
application



external
application



UV resistance



high flexibility



low operating
temperature

Technical data:

Operating temperature: -30°C do 80°C

Min. ambient temperature for permanently installed cables: -40°C

Min. installation temperature: 0°C

Test voltage (50Hz): 1000V

Min. insulation resistance: 1,0GΩxkm

Min. bending radius: 5xØ (Ø - cable diameter)

Construction:

Conductors: multi-wire copper, stranded class 5 acc. to EN 60228

Insulation: special PE

Core identification:

- 3-wire cables: black, red, green

- 6-wire cables: red, red with black stripe, green, green with black stripe, blue, blue with black stripe

Core arrangement: core twisted together

Outer sheath: special PVC blend

Outer sheath color: black

Outer coating: special PUR coating polyurethane, resistant to petroleum substances and industrial coolants, as well as to hydrolysis

Shell color: gloss black

Application

Flexible, unshielded cables for powering lighting installations. Cables intended for installations exposed to UV radiation and other weather conditions. They can be used in indoor and outdoor installations.

Cables are classified in accordance with **EN 50575 (CPR)**.

| Cat. no. | nxmm ² | Diameter [mm] | Weight [kg/km] | Cu [kg/km] | Max. working conductor resistance DC at 20°C [Ω/km] |
|----------|-------------------|---------------|----------------|------------|---|
| EB0131 | 3x0,75 | 5,8 | 52 | 21,6 | 26,0 |
| EB0029 | 6x0,5 | 6,4 | 62 | 28,8 | 39,0 |

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