

# BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC

## Flexible hybrid cable

HYBRID CABLES



internal application



EN 60332-1



high flexibility



low operating temperature

### Technical data:

#### Operating temperature:

Fixed installation: -30°C to 70°C

Flexible connections: -5°C to 70°C

#### Min. installation temperature: -5°C

#### Test voltage (power cable, 50Hz): 2000V

#### Capacitance (microphone cable, 1kHz):

Conductor/conductor: ≤ 65nF/km

Conductor/screen: ≤ 130nF/km

#### Impedance (microphone cable): 85Ω±5

#### Min. insulation resistance (microphone cable): 1,0GΩxkm

#### Min. insulation resistance (power cable): 20MΩxkm

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

### Construction:

#### Microphone cable:

**Conductors:** bare copper conductors, multi-stranded (30x0,1)

**Insulation:** special PE

**Core identification:** red, natural

**Core arrangement:** cores twisted together with textile fillers

**Screen:** copper wire braid, coverage min. 90%

**Outer sheath:** special PVC

**Outer sheath colour:** black

#### Power cable:

**Conductors:** bare copper conductors, stranded class 5 acc. to EN 60228

**Insulation:** special PVC

**Core identification:** brown, blue, green-yellow

**Core arrangement:** cores twisted together

**Screen:** aluminium backed polyester tape with tinned copper drain wire

**Outer sheath:** special PVC

**Outer sheath colour:** black

#### Hybrid:

**Core arrangement:** microphone and power cable twisted together with fillers

**Outer sheath:** special PVC, self-extinguishing and flame retardant acc. to EN 60332-1

**Outer sheath colour:** black, matt

### Application:

BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is a combination of microphone cable designed for transmitting analog signals and power cable. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0218 Hybrid Cable Power 3G1,5 + Microphone 2x0,23 OFC is classified in accordance with **EN 50575 (CPR)**.

### Cable properties:

- impact strength and flexibility at both low and room temperatures
- high flexibility
- matt outer sheath eliminating the light reflection effect

Cat. no.	Colour	nxmm <sup>2</sup>	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductor 1,5mm <sup>2</sup> DC at 20°C [Ω/km]	Max. resistance of power conductor 0,23mm <sup>2</sup> DC at 20°C [Ω/km]
LP0218	black	3G1,5+2x0,23	14,2	241	13,3	71,5

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.

