

# BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC

Flexible hybrid cable for transmitting digital signals

DMX CABLES



## 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 (DMX cable, 1kHz):

Conductor/conductor: ≤ 60nF/km

Conductor/screen: ≤ 115nF/km

### Impedance (DMX cable): 110Ω±10

**Min. insulation resistance (DMX cable): 1,0GΩxkm**

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

**Min. bending radius: 5x∅ (∅ - cable diameter)**

## Construction:

### DMX cable:

**Conductors:** tinned copper conductors, multi-stranded (8x0,20)

**Insulation:** special PE

**Core identification:** red, white

**Core arrangement:** cores twisted together

**Screen:** aluminium backed polyester tape with tinned copper drain wire underneath and tinned copper wire braid with coverage min. 85%

**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:** DMX 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® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) OFC is a combination of DMX cable designed for transmission of digital signals e.g. in lighting or stage motion systems and power cable. DMX cable is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0560 Digital Hybrid Cable Power 3G1,0 + DMX 1x(2x0,25) 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. screen resistance DC at 20°C [Ω/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0560	black	3G1,0+1x(2x0,25)	13,5	212	19,5	79

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.

**BITNER®**

