

# BiTsound® LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC

Flexible, singlepair cable for transmitting digital signals, PUR sheathed

DMX CABLES



## Technical data:

### Operating temperature:

Fixed installation: -30°C to 80°C

Flexible connections: -5°C to 80°C

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

### Capacitance (at 1kHz):

Conductor/conductor: ≤ 62nF/km

Conductor/screen: ≤ 120nF/km

### Impedance: 110Ω±10

### Min. insulation resistance: 1GΩxkm

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

## Construction:

**Conductors:** tinned copper conductors, multi-stranded (20x0,15)

**Insulation:** special PE

**Core identification:** white, red

**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 PUR compound, oil resistant (EN 60811-404), resistant to hydrocarbons, industrial coolants, self-extinguishing and flame retardant acc. to EN 60332-1, UV resistant

**Outer sheath colour:** black, matt

## Application:

BiTsound®LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC is professional, flexible, singlepair cable designed for transmitting digital signals e.g. in lighting or stage motion systems.

It is double screened with tinned copper wire braid and AL/PET tape with additional drain wire what ensures very good protection against external interferences and improves the quality of transmitted signals. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0561 DMX 512/1990 Data Cable 110 Ohm PUR OFC is classified in accordance with **EN 50575 (CPR)**.

## Cable properties:

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

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]
LP0561	black	1x(2x0,35)	6,4	52	15,5	52,0

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.

