

Flexible hybrid cable for digital signal transmission



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): 110±10

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

Min. insulation resistance (power cable): 20MΩxkm

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

Construction:

DMX cable:

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

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 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 cables 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® LP0217 Digital Hybrid Cable Power 3G1,5 + 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. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0217 Digital Hybrid Cable Power 3G1,5 + 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 ²	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]
LP0217	black	3G1,5+1x(2x0,25)	13,7	228	13,3	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.

