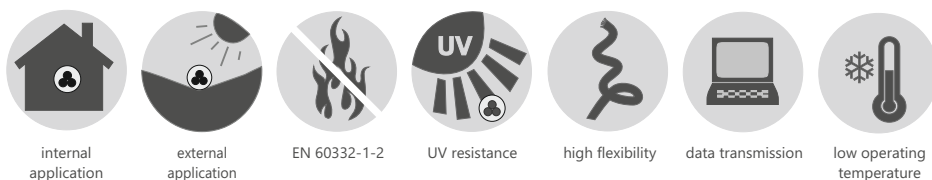


# BiTsound® LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

Flexible, hybrid cable with power conductors, designed for computer networks



## Technical data:

### Operating temperature:

Fixed installation: -30 °C to 70 °C

Flexible connections: -5 °C to 50 °C

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

**Test voltage: power conductor 50Hz:** 2000V

**Capacitance: U/UTP (at 1kHz):**

conductor/conductor: ≤ 60nF/km

**Impedance (at 100MHz): U/UTP:** 100Ω±5

**Min. insulation resistance: U/UTP:** 1GΩxkm

**Min. insulation resistance: power conductor:** 20MΩxkm

**Insulated conductor diameter: U/UTP:** 0,97 ± 0,05mm

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

## Design:

### U/UTP:

**Cores:** tinned copper conductors, multi-stranded (26AWG/7 (0,18mm<sup>2</sup>))

**Insulation:** special PE

### Core identification in pairs:

1st pair: blue, white-blue

2nd pair: orange, white-orange

3rd pair: green, white-green

4th pair: brown, white-brown

**Core arrangement:** cores twisted together; pairs twisted together on a centrally located cross spacer

**Sheath:** special PVC

**Sheath colour:** black

### Power cable:

**Cores:** bare copper, multi-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

**Sheath:** special PVC

**Sheath colour:** black

### Hybrid:

**Core arrangement:** power conductor and U/UTP twisted together with fillers

**Sheath:** special PVC, self-extinguishing, flame retardant acc. to EN 60332-1-2

**Sheath colour:** black, matt

## Application:

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power conductor. U/UTP is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. The cable is dedicated to professional and studio applications. Matt outer sheath eliminates the light reflection effect.

BiTsound®LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e 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

Cat. no.	Colour	n x 2 x AWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max. resistance of power conductors 1,5mm <sup>2</sup> DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0499	black	3G1,5+2x(4x2x26AWG/7)	16,9	297	13,3	220

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.