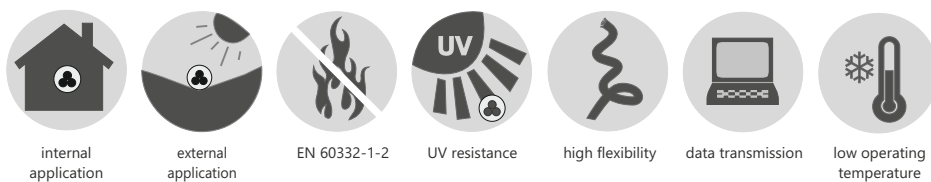


BITsound® LP0499 Hybrid Cable Power 3G1,5 + MOBILE DATA PATCHCORD 2xU/UTP cat. 5e OFC

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: 1,0GΩxkm

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 (0,18mm²))

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 in pairs; 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 cable and 2xU/UTP twisted together with fillers

Sheath: special PVC, self-extinguishing and 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 is composed of data transmission cable designed for computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s and power cable. 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 ² 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.

