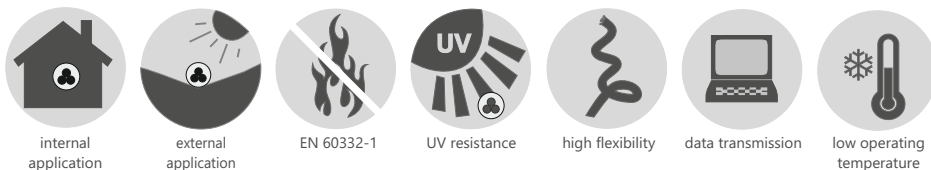


# BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e

Screened data transmission cable designed for computer networks

DATA TRANSMISSION CABLES



## Technical Data:

### Operating temperature:

Fixed installation: -30°C to 70°C

Flexible connections: -5°C to 50°C

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

### Capacitance (at 1kHz):

conductor/conductor: ≤ 60nF/km

conductor/screen: ≤ 80nF/km

**Impedance (at 100MHz):** 100Ω±5

**Min. insulation resistance:** 1,0GΩxkm

### Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

## Construction:

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

**Insulation:** special PE

### Core identification:

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

**Inner sheath:** special PVC

**Screen:** tinned copper wire braid with coverage min 80%

**Outer sheath:** special PVC compound, self-extinguishing and flame retardant acc. to EN 60332-1

**Outer sheath colour:** black, matt

## Application:

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e is applicable to computer networks with frequency up to 100 MHz and bandwidth up to 1 Gb/s. The cable is suitable for transmitting data, audio and visual HDTV signals and can be used in control systems. It has collective CuSn screen acting as a protection against external electromagnetic interferences and is dedicated to professional and studio applications, both for fixed installation and flexible connections. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e 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.	Item	nx2xAWG	Nominal O.D. [mm]	Nominal weight [kg/km]	Max screen resistance DC at 20°C [Ω/km]	DC loop resistance at 20°C (max)
LP0900	S/UTP cat. 5e	4x2x26AWG/7	7,1	62	18	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.



EITNER BITNER® LP0900 MOBILE DATA PATCHCORD CABLE S/UTP cat. 5e