

BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR

Screened data transmission cable designed for computer networks, PUR sheathed

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: ≤ 85nF/km

Impedance (at 100MHz): 100Ω±5

Min. insulation resistance: 1,0GΩxkm

Insulated conductor diameter: 0,97 ± 0,05mm

Min. bending radius:

During operation: 6xØ (Ø - cable diameter)

During installation: 8xØ (Ø - cable diameter)

Construction:

Conductors: tinned copper conductors, multi-stranded (26AWG/7 (0,18mm²))

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 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® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR is applicable to computer networks with frequency up to 250 MHz 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. Polyurethane outer sheath ensures very high environmental and improved mechanical resistance. Matt outer sheath eliminates the light reflection effect.

BiTsound® LP0911 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 PUR 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 chemical resistance

| 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) |
|----------|--------------|-------------|-------------------|------------------------|---|----------------------------------|
| LP0911 | S/UTP cat. 6 | 4x2x26AWG/7 | 7,9 | 68 | 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.

