

BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6

Screened data transmission cable designed for computer networks



internal application



external application



EN 60332-1



UV resistance



high flexibility



data transmission



low operating temperature

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: $\leq 60\text{nF/km}$

conductor/screen: $\leq 85\text{nF/km}$

Impedance (at 100MHz): $100\Omega \pm 5$

Min. insulation resistance: $1,0\text{G}\Omega \times \text{km}$

Insulated conductor diameter: $0,97 \pm 0,05\text{mm}$

Min. bending radius:

During operation: $6 \times \varnothing$ (\varnothing - cable diameter)

During installation: $8 \times \varnothing$ (\varnothing - 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 PVC, self-extinguishing and flame retardant acc. to EN 60332-1

Outer sheath colour: black, matt

Application:

BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 is applicable to computer networks with frequency up to 250 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® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat. 6 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)
LP0910	S/UTP cat. 6	4x2x26AWG/7	7,9	71	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.



RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty



BITNER BiTsound® LP0910 MOBILE DATA PATCHCORD CABLE S/UTP cat.6