

BiTLAN[®] U/UTP PATCHCORD

cat.5e

Data transmission patchcord cable

BITNER BiTLAN U/UTP PATCHCORD CABLE 4x2x26/7AWG cat. 5e



internal application



EN 60332-1-2



data transmission



RoHS 2015/863/EU



LVD 2014/35/EU



CPR 305/2011



24 months warranty

Technical data:

Thermal parameters:

Temperature range:

operating temperature: -30 °C to 70 °C
min. installation temp: -10 °C

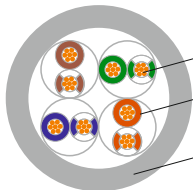
Electrical parameters:

Conductor cross-section: 26/7 AWG
Insulated core diameter: 0,88 ± 0,03 mm
DC loop resistance at 20 °C (max): 260 Ω/km
Insulation resistance (min): 5 GΩ x km
Resistance unbalance within a pair: ≤ 2 %
Mutual capacitance at 1 kHz: 50 ± 5 nF/km
Capacitance unbalance pair to ground at 1 kHz (max): 1600 pF/km
Test voltage at 1 min.:
AC 50 Hz: 700 V
DC: 1000 V
Characteristic impedance at 100 MHz:
100 ± 5 Ω
NVP value: 67 %
Return loss dB (min):
f = 4 + 10 MHz: 20 + 5 x log₁₀(f)
f = 10 + 20 MHz: 25
f = 20 + 100 MHz: 25 - 7 x log₁₀(f/20)

Mechanical parameters:

Bending radius:

during operation: ≥ 6 x Ø
during installation: ≥ 8 x Ø



multi-wire Cu conductor

PE insulation

PVC outer sheath

Design:

Conductors:

multi-wire round copper conductors

Insulation:

special polyolefin compound

Core identification:

wh/bu-bu, wh/or-or, wh/gn-gn, wh/bn-bn

Core arrangement:

cores twisted in pairs, pairs twisted together

Outer sheath:

PVC compound

Outer sheath colour:

grey RAL 7035 other colours available on customer's request

Marking: BITNER BiTLAN U/UTP PATCHCORD CABLE 4x2x26/7AWG cat.5e
EN 50173-1 ISO/IEC 11801 ANSI/TIA 568-C.2 ID co. CE RoHS
www.bitner.com.pl meters

Application:

BiTLAN U/UTP PATCHCORD cat.5e are designed for use in computer networks in frequency range up to 100MHz, with binary bandwidth up to 1Gb/s. The cables are used to connect computers with telecommunication sockets and other devices, both active (switches, routers) as well as passive (patch panel concentrators) of the LAN computer network. Cables meet the requirements of EN 50173-1, ISO / IEC 11801, ANSI/ TIA568-C.2. Cables classified in accordance with **EN 50575 (CPR)**.

Packaging:



plywood reel
500m



plywood reel/
drum
1000m

Cat. no.	Construction	Cu wire	Outer diameter* [mm]	CPR classification EN 50575	Cable weight [kg]	Bandwidth [MHz]
T10016	U/UTP PATCHCORD cat.5e	26/7AWG	4,8	Fca	26	100

*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice