

BiTLAN U/UTP PATCHCORD

cat.5e 200 MHz

Data transmission cable - PATCHCORD

RoHS 2011/65/EU



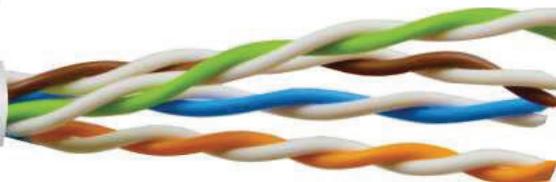
LVD 2014/35/EU

CPR

CPR 305/2011

2 years warranty

BITNER BiTLAN U/UTP PATCHCORD cat.5e



internal application



EN 60332-1



data transmission

Technical data:

Temperature range:

Operating temperature: -30°C to +70°C

Min. installation temp: -10°C

Bending radius: 4xØ

DC loop resistance at 20°C (max): 260Ω/km

Insulation resistance (min): 5GΩxkm

Resistance unbalance: ≤2%

Capacitance at 1 kHz: 50±5 nF/km

Capacitance unbalance at 1 kHz (max):

1600pF/km

Test voltage:

AC 50 Hz: 700V

DC: 1000V

Characteristic impedance: 100±5Ω

NVP value: 67%

Return loss (min):

f = 4÷10 MHz: 20+5lg(f)

f = 10÷20 MHz: 25

f = 20÷200 MHz: 25-7lg(f/20)

Construction:

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:** special PVC**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

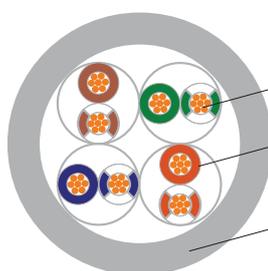
www.bitner.com.pl meters

Application:

BiTLAN U/UTP PATCHCORD cat. 5e are designed for use in computer networks in frequency range up to 200MHz, 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 in accordance with PN-EN 50173-1, ISO / IEC 11801, ANSI / TIA 568-C.2.

Cables classified in accordance with **PN-EN 50575 (CPR)**.

Packaging:

Spool/Coil
500mSpool/drum
1000m

multi-wire Cu conductor

PE insulation

PVC outer sheath

Cat. no	Construction	Cu wire	O.D. [mm]	CPR classification EN 50575	Cu [kg/km]	Cable weight [kg]	Bandwidth [MHz]
TI0016	U/UTP PATCHCORD cat.5e	26AWG	4,8	Fca	13	26	200

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

BiTLAN F/UTP PATCHCORD

cat.5e 200 MHz

Data transmission cable, screened
- PATCHCORD



LAN cables



Technical data:

Temperature range:
Operating temperature: -30°C to +70°C
Min. installation temp: -10°C

Bending radius: 6x \varnothing

DC loop resistance at 20°C (max): 260 Ω /km

Insulation resistance (min): 5G Ω xkm

Resistance unbalance: $\leq 2\%$

Capacitance at 1 kHz: 50 ± 5 nF/km

Capacitance unbalance at 1 kHz (max): 1600pF/km

Test voltage:
AC 50 Hz: 700V
DC: 1000V

Characteristic impedance: 100 $\pm 5\Omega$

NVP value: 67%

Return loss (min):
f = 4+10 MHz: 20+5lg(f)
f = 10+20 MHz: 25
f = 20+200 MHz: 25-7lg(f/20)

Coupling attenuation within the range of 30 ÷ 200 Mhz (min.):
f=30+100 MHz:55
f=100+200 MHz:55-20lg (f/100)

Transfer impedance m Ω /m. (max):
f=1MHz: 50
f=10MHz: 100
f=100MHz: 1000

Construction:

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

Screen: aluminium backed polyester tape and tinned copper drain wire

Outer sheath: special PVC

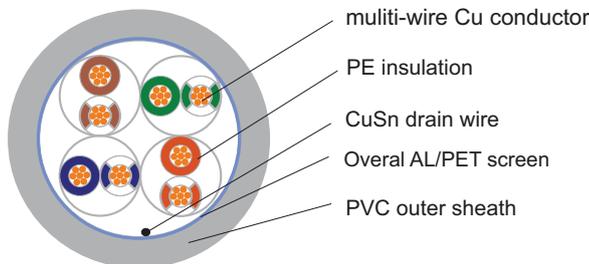
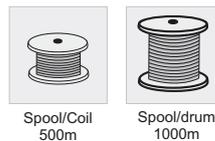
Outer sheath colour: grey RAL 7035 other colours available on customer's request

Marking: BITNER BiTLAN F/UTP PATCHCORD CABLE 4x2x26/7AWG cat. 5e
EN 50173-1 ISO/IEC 11801 ANSI/TIA 568-C.2 ID no. 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 200MHz, with binary bandwidth up to 1Gb/s. Additional collective Al/Pet screen with CuS drain wire acts as a protection against external electromagnetic interferences. 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 in accordance with PN-EN 50173-1, ISO / IEC 11801, ANSI / TIA 568-C.2. Cables classified in accordance with **PN-EN 50575 (CPR)**.

Packaging:



Cat. no	Construction	Cu wire	O.D. [mm]	CPR classification EN 50575	Cu [kg/km]	Cable weight [kg]	Bandwidth [MHz]
T10017	F/UTP PATCHCORD cat.5e	26AWG	5,8	Fca	14	34	200

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