

BITLAN[®] F/UTP PATCHCORD

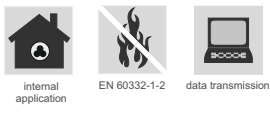
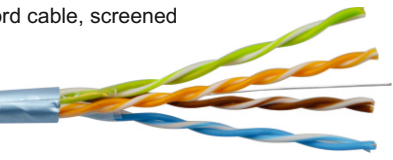
cat.5e

Data transmission patchcord cable, screened



LAN cables

BITNER BITLAN F/UTP PATCHCORD CABLE 4x2x26/7AWG cat. 5e

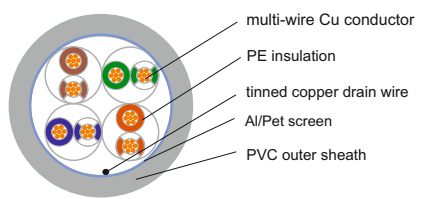


Technical data:

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: 0,92 ± 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)
Coupling attenuation within the range of 30 + 100 Mhz (min.): 55 dB
Transfer impedance at 100 MHz (max):
 100 mΩ/m.

Mechanical parameters:
Bending radius:
 during operation: ≥ 6 x Ø
 during installation: ≥ 8 x Ø



Design:

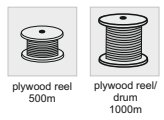
Conductors: multi-wire round copper conductors
Insulation: special polyolefin compound
Core identification: wh/bu-bu, wh/or-or, wh/gn-gn, wh/bn-bn
Core arrangement: cores twisted in pairs, pairs twisted together
Screen: aluminium backed polyester tape and tinned copper drain wire
Outer sheath: PVC compound
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 100MHz, with binary bandwidth up to 1Gb/s. Additional collective Al/Pet screen with 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 of EN 50173-1, ISO / IEC 11801, ANSI / TIA 568-C.2. Cables classified in accordance with EN 50575 (CPR).

Packaging:



Cat. no.	Construction	Cu wire	Outer diameter* [mm]	CPR classification EN 50575	Cable weight [kg]	Bandwidth [MHz]
T10017	F/UTP PATCHCORD cat.5e	26/7AWG	5,9	Fca	35	100

*Outer diameter tolerance: +/-5%
 Cable Factory BITNER reserves the right to modify the specifications without prior notice