

MULTIBiT[®] 2xCOAX-75 2xUTP5e 1xFTTH2J

RoHS 2015/863/EU



LVD 2014/35/EU



CPR 305/2011



Hybrid cable for telecom application

BITNER MULTIBiT[®] 2xCOAX-75 2xUTP 5E 1xFTTH 2J

internal application



EN 60332-1-2



data transmission

BITLAN[®] U/UTP cat.5e

Technical data:

Electrical parameters:

DC loop resistance at 20 °C (max): 196 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

Nominal voltage: 150 V

Test voltage - 1min:

AC 50 Hz: 700 V

DC: 1000 V

Characteristic impedance at 100 MHz:

100 ± 5 Ω

NVP value: 69 %

Return loss dB (min):

f = 4 + 10 MHz: 20 + 5 x log₁₀(f)

f = 10+20 MHz: 25

f = 20+200 MHz: 25 - 7 x log₁₀(f/20)

BiTSAT[®] 757

Technical data:

Electrical parameters:

Inner conductor resistance: 21 Ω/km

Outer conductor resistance: 25,8 Ω/km

Insulation resistance (min.): 5 GΩ x km

Mutual capacitance: 57 nF/km

Wave impedance: 75 ± 3 Ω

NVP value: 80 %

Attenuation screening (min.) - A class:

30 + 1000 Mhz: 85 dB

1GHz + 2,2Ghz: 75 dB

Return loss (min):

5 + 1000 MHz: 23

1 + 2,2 GHz: 21

BiTFiber[®] FTTH 2J

Technical data:

Electrical parameters:

Attenuation at 1310 nm (singlemode fiber):

≤ 0,4 dB/km

Attenuation at 1550 nm (singlemode fiber):

≤ 0,25 dB/km

Design:

Conductors:**Insulation:****Core identification:****Core arrangement:****Outer sheath:****Outer diameter:**

solid round copper conductors 24 AWG (0,5)

special polyolefin compound

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

cores twisted in pairs, pairs twisted together

PVC compound, colour: white RAL 9010 and green RAL

6018

4,8 mm

Design:

Inner conductor:**Insulation:****Outer conductor:****Outer sheath:****Outer diameter:**

solid copper conductor, Ø = 1,05mm outer

foamed PE, Ø = 5,0mm outer

aluminium backed polyester tape Al/Pet/Al. and aluminium

wire braid with coverage min. 77 %

PVC compound, self-extinguishing and flame retardant

(as per EN 60332-1-2, IEC 60332-1-2),

colour: white RAL 9010 and green RAL 6018

6,9 mm

Design:

Fiber optic:**Dielectric****reinforcement:****Outer sheath:****Fiber colours acc.****to PN-IEC 60304:****Outer diameter:**

Optical telecommunication fiber in accordance

with ITU-T-G657A2 - 2 pieces

FRP - 2 pieces

halogen-free compound, colour: white RAL 9010

red, green

2,0 x 3,0 mm

MULTIBiT® 2xCOAX-75 2xUTP5e 1xFTTH2J

Hybrid cable for telecom application

Technical data:

Core arrangement:

2 x data transmission cable BiTLAN®U/UTP cat.5e, 2 x coaxial cable BITSAT®757, colour coded and twisted together with a centrally arranged optotelecommunication fiber cable BiTFiber®FTTH 2J

Design:

Outer sheath: PVC compound, colour RAL 9010

Application:

MULTIBiT® hybrid is designed for comprehensive telecommunication infrastructure. It allows to create five different installations in modern buildings: structural LAN cabling, video and intercom network, digital terrestrial TV DVB-T, DVB-T2, satellite TV DVB-T(S), cable TV DVB-C and fiber optic installation. Colour coding allows easy installation. Cable classified in accordance with **EN 50575 (CPR)**.

Cat. no	Outer diameter* [mm]	Cable weight [kg/km]
TI0114	19,5	330

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