![bticino logo]

BTNET

MODULAR AND PRELOADED PATCH PANELS

CONTENT

Copper cabling solution
2 types of connection for maximum choice

BTNET offers a wide range of products to make copper wiring. It includes patch panels, patch cords, cables to make UTP and FTP vertical and horizontal cabling in cat. 5E and cat. 6 and solutions for workstations which fit into all the BTicino series.

BTicino proposes two types of copper cabling:
TOOLLESS innovative cabling system which requires no tools (impact tools) to wire the cable.
110 IDC cabling solution using impact tool to wire the cable.

The copper connection offered conforms perfectly to standard TIA/EIA568A/B and IEC EN 50173 in performance and quality.

IDC TOOLLESS CONNECTION
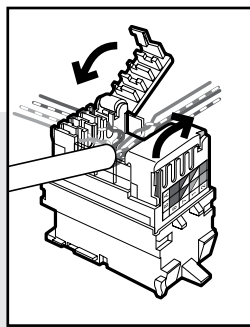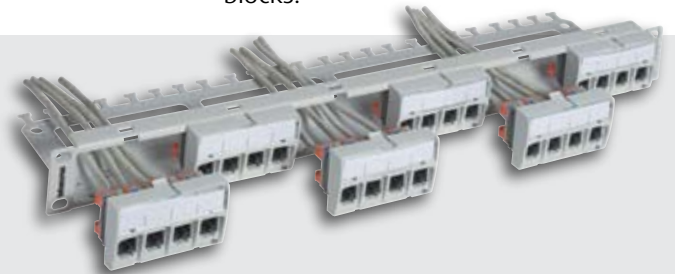Cat. 5E
Cat. 6

MODULAR AND PRELOADED PATCH PANELS
The 24-port patch panels (light grey) can be used to make enclosures and cabinets with maximum simplicity thanks to the removable modular blocks.

UTP connector   FTP connector

THE TOOLLESS CONNECTION SYSTEM is made up of:
● Category 5E and 6 UTP and FTP connectors for workstations coordinated for all the BTicino series.
● Loose UTP and FTP connectors for modular panels and self-bearing cover plates.

● UTP and FTP preloaded and modular patch panels available in category 5E and 6 complete with: screws, nuts in cage and identification plates.
● Telephone panels with 48 cat. 3 RJ45 connectors.

BTNET ENCLOSURES
features apprearance and technical solutions which considerably improve all the aspects linked to the installation itself and to wiring the patch panels.
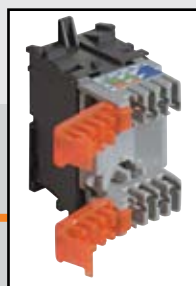
UTP and FTP connectors: the heart of the whole TOOLLESS system

Category 5E   Category 6

CATEGORY 5E AND 6
Easily recognisable thanks to the colour on the back of the connector: grey for cat. 5E connectors and black for cat. 6 connectors

SHIELDING
TOOLLESS FTP connectors have metal shielding on the back which differs depending on the type of use.

EASY TO CONNECT
Thanks to the modularity of the patch panels, the cables are wired simply and quicky

BTNET
fibre optic cabling solution

To make data transmission network which perform better in terms of speed, bandwidth and security against electromagnetic disturbances, BTNET offers a complete solution of passive fibre optic devices. The BTNET components for fibre optics are absolutely safe and easy to use. Their main features are:

HIGH PERFORMANCE
Fibre optic components to use all the potential offered by this technology such as greater speed and greater available bandwidth

MODULARITY OF SOLUTION
The fibre box can be easily fitted with accessories with the specific types of module required.
The fibre optic product range

is made up for:
● ST and SC connectors for workstation
● modular fibre box for enclosures and cabinets
● SC-SC, ST-ST, ST-SC, MTRJ-SC and STRJ-ST fibre optic connectors with cold wiring kit

EVERYTHING NEEDED TO MAKE A FIBRE OPTIC NETWORK
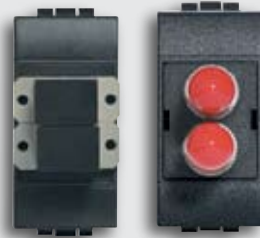
ST and SC connectors and ST, SC and MTRJ patch cords

Loose and tight fibre optic cables, from 4 to 12 fibre 50/125µm and 62.5/125µm

**CERTIFICATIONS AND CUSTOMER SERVICE**
THE STANDARDS
When making correct structured wiring the rules defined by the various standards

● TIA/EIA 568A/B: the first standard (American) which defines the making of structured wiring.
● ISO/IEC 11801: international standard.
● EN50173-1 (2003 Edition): European standard must be born in mind.

The following standards define the main and essential parameters for making wiring, which goes from the design of the system itself, its placement and how to test each link to the certification of the system which must be able to support the transmission speeds required.

THE CERTIFICATIONS
BTicino has always been maked by the quality and reliability of its products. All the BTNET products are tested in our Quality Laboratories and in the Test Room. As a further gurantee of the respect of standards. we also work with External 3P Certification Organisations.

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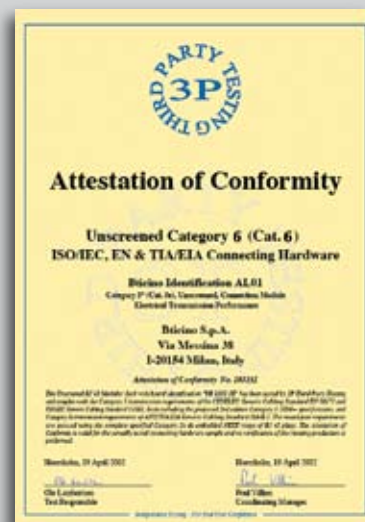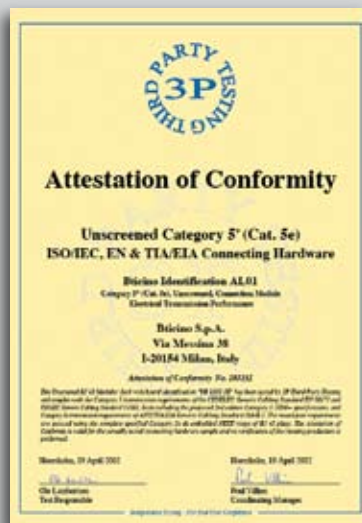
ระบบ LAN แบบ Toolless ของบิทิชีโน

ระบบเครือข่าย network ของบิทิชีโน มีชื่อเสียงในแถบยุโรปมากกว่า 10 ปี จึงได้มีการพัฒนาผลิตภัณฑ์ โดยตลอด เพื่อเน้นความสะดวกใน การติดตั้งได้อย่างรวดเร็ว โดยเฉพาะ ระบบ LAN ของบิทิชีโน ซึ่งเป็น อุปกรณ์แบบ toolless คือติดตั้ง ได้โดยไม่ต้องใช้เครื่องมือ เพื่อเป็น การประหยัดเวลา ง่ายต่อการ ติดตั้งและซ่อมบำรุง

ระบบ LAN ของบิทิชีโน มีคุณภาพ โดยผ่าน มาตรฐาน ISO/IEC 11801, EN 50773-1, standard TIA/EIA 568A/B และ 3P Certificate (Third Party Testing)

หลายประเทศในยุโรปได้ใช้ อุปกรณ์ของบิทิชีโน ในส่วนของ โรงงาน รีสอร์ท คอนโดมิเนียม โรงพยาบาล อาคารสูงเอกชน รวมไปถึงงานราชการและ รัฐวิสาหกิจ อีกด้วย

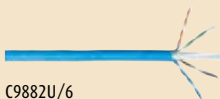# UTP and FTP cables category 5E and 6

C9881U/5E

UTP CABLE - CATEGORY 5E

Unshielded UTP cable in category 5E with solid copper 24 AWG (0.51 mm.) conductors, polyolefin insulation, 4 pairs of twisted conductors - low-flame-propagation PVC sheath - conformity to ISO/IEC 11801- grey

Item code	Sheath	Length	Packaging
C9881U/5E	PVC	305m	box
C9882U/5E	NH	305m	box

C9882U/6

UTP CABLE - CATEGORY 6

Unshielded UTP cable in category 6 with solid copper 23 AWG (0.57 mm.) conductors, polyolefin insulation, 4 pairs of twisted conductors with internal separator - halogen-free sheath with low emission of fumes and toxic gas - conformity to ISO/IEC 11801- blue

Item code	Sheath	Length	Packaging
C9881U/6	PVC	305m	reels
C9882U/6	NH	305m	coil

C9881F/5E

FTP CABLE - CATEGORY 5E

Shielded FTP cable in category 5E with solid copper 24 AWG (0.51 mm.) conductors total schielding with aluminium foil and tinned copper continuity wire - 4 pairs of twisted - conformity to ISO/IEC 11801- grey

Item code	Sheath	Length	Packaging
C9881F/5E	PVC	305m	box

C9882F/6

FTP CABLE - CATEGORY 6

Shielded FTP cable in category 6 with solid copper 24 AWG (0.51 mm.) conductors total schielding with aluminium foil and tinned copper continuity wire - 4 pairs of twisted - conformity to ISO/IEC 11801- blue

Item code	Sheath	Length	Packaging
C9882F/6	NH	305m	coil

Toolless IDC connection category 5E and 6 UTP unshielded

C9079/5E
C9079/6

C9079/5S
C9079/6S

C9802/TBA

C9804/TBA

C9500T/BA

M9079/5E
M9079/6

L4279/5E
L4279/6

N4279/5E
N4279/6

NT4279/5E
NT4279/6

M903/11P

M903/12P

M903/13P

M906/14P

M906/16P

E5S1WB

E5S2WB

E5S3WB

RJ45 TOOLESS IDC CONNECTORS FOR SELF-BEARING COVER PLATES

RJ45 connectors category 5E and 6 UTP and FTP type - insulation cutting connection without using tools - for UTP and FTP 22 - 24 AWG 4-pair 100Ω cable - conformity to standards TIA/EIA 568A/B and EN 50173 - connection T568A/B

Category 5E	Type
C9079/5E	UTP
C9079/5S	FTP
Category 6	
C9079/6	UTP
C9079/6S	FTP

SELF-BEARING COVER PLATES FOR TOOLLESS RJ45 IDC CONNECTORS

4 and 2-place self-baring cover plates to be completed with connectors and blank inserts suitable for installation on 503-type boxes - LIGHT white

Item code	Description
C9802/TBA	2-place cover plate
C9804/TBA	4-place cover plates

Blank insert for self-bearing cover plates

Item code	Description
C9500T/BA	white

TOOLLESS RJ45 UTP CONNECTORS - CATEGORY 5E AND 6

RJ45 connectors - category 5E and 6 - connection with insulation cutter without using tools - for unshielded UTP 22 - 24 AWG 4-pair 100Ω cable - conformity to standards TIA/EIA T568A/B and EN50173 - complate with rating plate and anti-dust hatch - T568A/B

	Item code	Descriptions
Category 5E	E4279C5E*	MODUS PLUS
	M9079/5E	MAGIC ADVANCE
	L4279/5E	LIVING
	N4279/5E	LIGHT
	NT4279/5E	LIGHT TECH
Category 6	E4279C6*	MODUS PLUS
	M9079/6	MAGIC ADVANCE
	L4279/6	LIVING
	N4279/6	LIGHT
	NT4279/6	LIGHT TECH

* เริ่มวางจำหน่ายในไตรมาสที่ 3 ของปี 2550

PLASTIC COVER PLATES, WHITE COLOR

	Item code	Descriptions
MAGIC ADVANCE	**M903/11P**	ขนาด 1 ช่อง
	M903/12P	ขนาด 2 ช่อง
	M903/13P	ขนาด 3 ช่อง
	M906/14P	ขนาด 4 ช่อง
	M906/16P	ขนาด 6 ช่อง
MODUS PLUS	**E5S1WB**	ขนาด 1 ช่อง
	E5S2WB	ขนาด 2 ช่อง
	E5S3WB	ขนาด 3 ช่อง

BTNET

Patch panels and cords
RJ connectors

C9024/5TA
C9024/6TA

C9024/5STA
C9024/6STA

C92..U/5E

C92..U/6

M9021M/4
M9021M/6

L4258/12

L4258/12

NT4258/12

C9907

C9901

C9902

C9906

UTP PRELOAD PATCH PANELS - CATEROY 5E AND 6

Preloaded patch panels - category 5E and 6 - with RJ45 connector - insulation cutting connection without using tools - for unshielded UTP 22 - 24 AWG 4-pair 100Ω cable - conformity to standard TIA/EIA T568A/B and EN50173 - grey - complete with screws, nuts in cage and identification plates

Item code	Description	No. of ports	Rack units	Connection
C9024/5TA	cat. 5E	24	1	T568A/B
C9024/6TA	cat. 6	24	1	T568A/B

Preloaded patch panels - category 5E and 6 - with RJ45 connector - insulation cutting connection without using tools - for unshielded STP and FTP 22 - 24 AWG 4-pair 100Ω cable - conformity to standard TIA/EIA T568A/B and EN50173 - black - complete with screws, nuts in cage and identification plates

Item code	Description	No. of ports	Rack units	Connection
C9024/5STA	cat. 5E	24	1	T568A/B
C9024/6STA	cat. 6	24	1	T568A/B

UTP PATCH CORD - CATEGORY 5E / 6

Patch cords with RJ45 connectors - UTP cable - PVC sheath - with incorporated SNAGGLE

Length (m)	Cat. 5E grey	Cat. 6 blue
1	**C9210U/5E**	**C9210U/6**
2	**C9220U/5E**	**C9220U/6**
3	**C9230U/5E**	**C9230U/6**
5	**C9250U/5E**	**C9250U/6**

Patch cors with RJ45 connectors - FTP cable

Length (m)	Cat. 5E grey	Cat. 6 blue
1	**C9215F/5E**	-
2	**C9220F/5E**	**C9220F/6**
3	**C9230F/5E**	**C9230F/6**
5	**C9250F/5E**	**C9250F/6**

RJ11 AND RJ12 MODULAR TELEPHONE CONNECTORS

6-pin connectors for telephone connection
110 cuttingconnection

Item code	Description
M9021M/4	RJ11, 2 pairs with terminal connection MAGIC ADVACNE
M9021M/6	RJ12, 3 pairs with terminal connection MAGIC ADVACNE
L4258/12	RJ12, 3 pairs, LIVING serie
N4258/12	RJ12, 3 pairs, LIGHT serie
NT4258/12	RJ12, 3 pairs, LIGHT TECH serie

TOOLS FOR INSTALLATION

Item code	Descriptions
C9907	tool to wire the cable on 110 strip
C9901	tool to wire the twisted cable on 110 terminal board-complete with blade for cable connecting
C9906	pliers for wiring connectors RJ11, RJ12 and RJ45
C9902	tool to remove the twisted cable sheath and strip the pairs without notching the copper conductor - 5 cavities with different stripping diameters

Pop-up and floor box Accessories
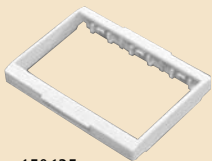

150627A

150627G

150560AC

1505600T

150560SB

150628A

150628G

150625

150620L

150701

150702

150703

150704

150561S

150563S

150712

FLOOR BOX ACCESSORIES AND BOXES

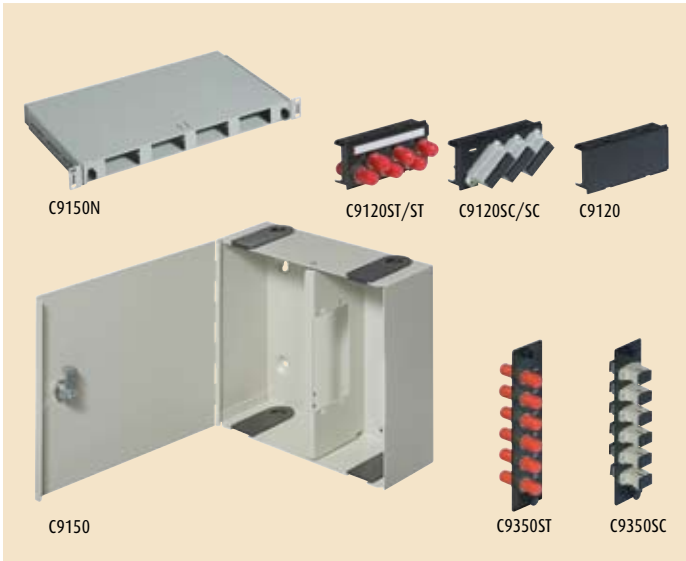| Item code	Descriptions
150561	small box 185x270x93 mm can fit 10 socket-devices plain cover with black-plastic frame
150562	small box 185x270x93 mm can fit 10 socket-devices stainless-steel cover with black-plastic frame
150563	big box 305x270x93 mm can fit 20 socket-devices plain cover with black-plastic frame
150564	big box 305x270x93 mm can fit 20 socket-devices stainless-steel cover with black-plastic frame
150561S	metal-floor box for small box 202x279x97 mm
150563S	metal-floor box for big box 322x279x97 mm
150591	supporting frame

BTNET

Fiber optic cabling system

C9892/8L

C9893/8L

C9150N

C9120ST/ST   C9120SC/SC   C9120

C9150

C9350ST   C9350SC
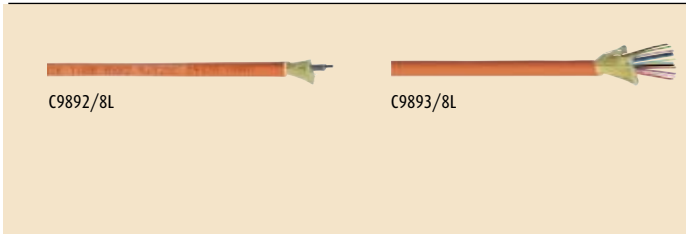
Item code	No. of fibres	Length (m)	Size (mm)
C9892/4L	4	1000	62.5/125
C9892/8L	8	1000	62.5/125
C9892/12L	12	1000	62.5/125
C9893/4L	4	1000	50/125
C9893/8L	8	1000	50/125

FIBRE BOX AND ACCESSORIES

Modular fibre box for making both SC and ST connections, depending on the modules chosen. Mixed installations can thus be made and the cabinet filled completely.

Item code	Descriptions
C9150N	patch cabinet set up to contain 24 F.O. ST or SC couplers - complete with clips to manage spare fibre - 1 rack unit

Coupling modules for fibre box

Item code	Descriptions
C9120ST/ST	F.O. ST.ST module for rack patch cabinet with 6 ST bushes
C9120SC/SC	F.O. SC.SC module for rack patch cabinet with 6 ST bushes
C9120	blank insert for fibre bloc item C9150N

Fibre box and surface-mounted modules

Item code	Descriptions
C9150	patch box set up to contain 6 F.O. ST or SC couplers
C9350ST	optic module preloaded with 6 SC-ST couplers per box
C9350SC	module as above with 6 SC-SC couplers

Fiber optic
cabling system

C9202MT/ST/N

C9202SC/ST/N
C9202SC/ST

FIBER OPTIC PATCH CORD ASSEMBLIS

Multimode 50/125

Item code	Descriptions
C9202SC/N	patch cord with duplex SC-SC terminations - multimode fibre optic cable 50/125mm - grey - 2 metres long - LSZH sheath
C9202ST/N	patch cord with duplex ST-ST terminations - multimode fibre optic cable 50/125mm - grey - 2 metres long - LSZH sheath
C9202SC/ST/N	patch cord with duplex SC-ST terminations - multimode fibre optic cable 50/125mm - grey - 2 metres long - LSZH sheath
C9202MT/ST/N	patch cord with MTRJ terminations - ST duplex - multimode fibre optic cable 50/125mm - orange - 2m long - LSZH sheath
C920LC/ST/N	patch cord with LC terminations - ST duplex - multimode fibre optic cable 50/125mm - orange - 2m long - LSZH sheath

Multimode 62.5/125

Item code	Descriptions
C9202SC	patch cord with duplex SC-SC terminations - multimode fibre optic cable 62.5/125mm - grey - 2 metres long - LSZH sheath
C9202ST	patch cord with duplex ST-ST terminations - multimode fibre optic cable 62.5/125mm - grey - 2 metres long - LSZH sheath
C9202SC/ST	patch cord with duplex SC-ST terminations - multimode fibre optic cable 62.5/125mm - grey - 2 metres long - LSZH sheath
C9202MT/ST	patch cord with MTRJ terminations - ST duplex - multimode fibre optic cable 62.5/125mm - grey - 2m long - LSZH sheath
C9202LC/ST	patch cord with LC terminations - ST duplex - multimode fibre optic cable 62.5/125mm - grey - 2m long - LSZH sheath