



IBDN

BIX Cross-Connect System

BIX Connectors
BIX Modular Jack Connectors
BIX Mounts
BIX Patch Cords
Labels and Management Accessories
Installation and Testing Tools



For

what's

coming

next.

Cross-connect solutions for high performance environments

- Enhanced Category 5 performance •
- Ready for emerging gigabit applications •
- Highest density IDC connector available •
 - Fastest installation time •
 - Quiet fronts •
- Available in three installation configurations •
 - IBDN Certified Components •

IBDN

BIX Cross-Connect System

Components of the

BIX Cross-Connect System

At the heart of the high density BIX wall mount system, is the **BIX Connector**. This uniquely designed, extremely compact connector is equipped with double-sided Insulation Displacement Connection (IDC) clips. The benefit is a considerable reduction in the space that would be required by conventional connecting systems of the same pair count. BIX type distribution connectors are available in 4-pair and 5-pair arrangements.

BIX installations require a few basic parts to produce a wall mount arrangement. The inter-linking components consisting of 250-pair and 300-pair **BIX Mounts**, **Distribution Rings** and **Distribution Brackets** are extremely modular, providing optimum flexibility to create the very smallest to the very largest installation.

The **BIX Connecting Tool** is all that is required to wire a BIX wall cross-connect. The tool has a cut/no-cut feature which allows for either a direct cut connection or a bridging connection. The ergonomically designed BIX Connection Tool features a non-impact spring activation which reduces installer fatigue – making it a favorite when it comes to wiring large systems.

BIX Patch Cords increase the proven versatility of BIX cross-connect systems. Cords, available in BIX to BIX and BIX to modular jack configurations, allow for high density connections, coupled with flexibility for cost-effective installation and administration. In addition, the latest PS5 BIX Patch Cords offer improved performance in certain configurations, while maintaining the customary BIX versatility you have come to expect.

BIX Modular Jack Connectors use a combination of IDC and industry standard modular jacks. Flexible and simple to administer, system patching can be fulfilled utilizing standard patch and line cords. These connectors are pre-wired for T568A/B or USOC applications.

A full range of **BIX Testing Accessories** including test probes, test connectors, special service guards and bridging clips, are available to facilitate installing and testing the BIX system.

For proper system identification NORDX/CDT offers a full range of color-coded **BIX Designation Labels**. Designation labels provide clear line identification for easy system administration and maintenance.

AN OLD FRIEND WITH GREAT CONNECTIONS

Here comes the future. And with it will come change in the way business communicates.

NORDX/CDT's field-tried and tested modular BIX Insulation Displacement Connection (IDC) products, provide superior performance and flexibility and do so in a cost effective way. The well-balanced BIX design provides performance beyond today's Enhanced Category 5 proposals for both short and long horizontal links.

As a trusted part of NORDX/CDT's IBDN Gigabit Cabling Solutions end-to-end structured cabling system, it continues to set the standards that others can only follow. The BIX cross-connect system allows you to simplify moves, adds and changes throughout your entire UTP telecommunications system.

POWER SUM CATEGORY 5 PERFORMANCE IS A MUST

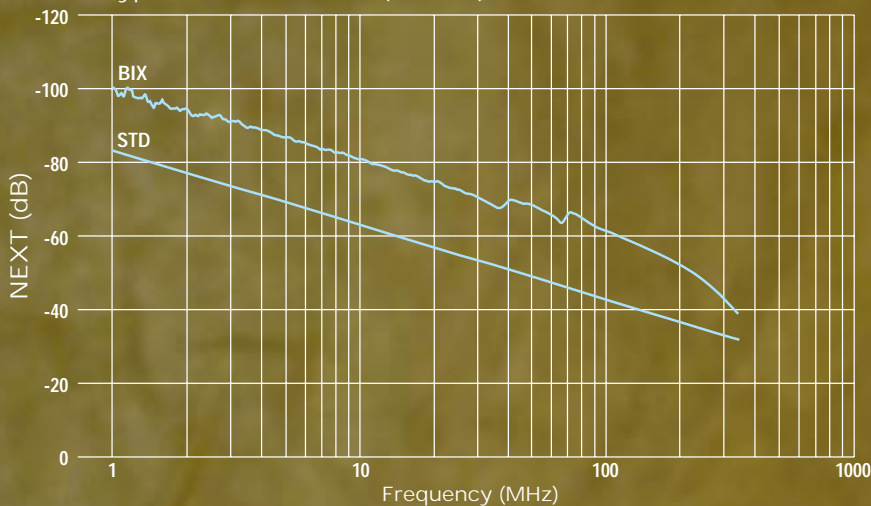
IBDN BIX cross-connect components are designed to Category 5e performance levels. That means the data connectivity components you install today will be ready for the high speed applications that come along in the future – including Gigabit Ethernet. And when installed as part of an IBDN Certified Structured Cabling System, that performance level is carried right through the entire channel.

IMPROVED PERFORMANCE & VERSATILITY

Ready For Next-Generation Networks

NORDX/CDT's BIX-type connectivity components offer substantially improved performance over conventional Category 5 products. For instance, Near End Cross-Talk (NEXT) interference is measured at 58.9 dB pair-to-pair and 55.9 dB Power Sum. That's 18.9 dB better than today's Category 5 standard specification. In fact, all

Typical NEXT Results (BIX-1A)



performance parameters, including Attenuation, Return Loss and Balance, greatly exceed the existing TIA/EIA Category 5 standard and will meet the anticipated TIA/EIA standard release for Enhanced Category 5 connectivity.

BEYOND STANDARD PERFORMANCE LEVELS

The field-proven BIX cross-connect system provides the ability to support emerging high speed data applications to transmission rates of 200 MHz and beyond. BIX test results continuously prove that the attention to quality and design inherent in the BIX family, produce a system that beats any industry standard – whether published or under study.

INSTALLING CONFIDENCE

We've done everything possible to design IBDN BIX products to be a snap to install and a breeze to expand. We started by making sure installations can be swiftly achieved, which is done by utilizing the proven BIX punch down tool. You can be confident it will take less time, and less money, while providing consistent, high quality connections.

Three connection configurations are available to allow you to customize the BIX system for your individual flexibility, density and security needs.

■ The punch down jumper cross-connection system allows the highest density available and the most cost-effective solution. Because a tool is required to make a connection, the system provides maximum security against unauthorized changes.

■ Easy to use BIX Patch Cords effectively complement and extend proven system efficiency to both IDC and modular jack connector applications. Moves, adds and changes can be accomplished quickly without specialized tools.

■ The ultimate in system modularity and ease of administration is attained with our line of Modular Jack Connectors, Modular Patch Cords and Line Cords.

WALL TO WALL CONVENIENCE

They say good things come in small packages. The BIX connection family is proof that this is true.

The high density BIX wall mount system is specifically designed around the double-sided, compact BIX1A IDC type connector. The benefit is that the system takes less space to do much, much more. The density of the BIX system is second to none, allowing up to three hundred pairs to be terminated in a very small area. A real space saver, especially in today's office environment where real-estate is at a premium.

The high termination density of a completed BIX module also simplifies retrofit installations.

PLUG & GO

Patching applications are supported by Modular Jack Connectors which allow you to patch using 8-position connectors. This means standard modular patch cords are all you need to make connections. Talk about a snap.

It provides a complete, cost-effective and integrated solution, making system expansions or equipment changes simple.

And thanks to special features like distinct designation labeling, cord color coding and distribution rings, messy installations are a thing of the past.

THE BEST OF BOTH WORLDS

For those applications where ease of use and density are both important, NORDX/CDT offers the BIX Patch Cord series. Available in a variety of configurations, the BIX Patch Cord allows quick and easy changes while maintaining the density of the wall mount system.

WE'RE NOT SHORT ON SAFETY

You'll also appreciate how we keep your system safe and sound.

No connector covers are needed as the clips are recessed to avoid direct contact with the connector. We call it our "quiet front" concept because it keeps everything safe and quiet on the front lines. This feature also keeps maintenance surprises to a minimum.

THE BOTTOM LINE

The robust design and enhanced performance characteristics of the IBDN connectivity components increase your cabling infrastructure reliability and reduce installation and operating costs – *now and in the future.*

BIX components are designed to greatly exceed Category 5e standards. This is your guarantee of high performance.

FORWARD THINKING EXPERIENCE

With over 100 years of experience in the telecommunications industry, we know what structured cabling is all about. In fact, many of the practices and standards in use today were originally specified in our very own IBDN design guidelines.

Our reputation is built upon our commitment to excellence. NORDX/CDT designs and manufactures all of its cable and connectivity products in ISO-9001 certified facilities. Our engineers and specialists possess the necessary skills to provide total network solutions, and the IBDN Gigabit Cabling Solutions and IBDN Components are added proof of NORDX/CDT's exemplary track record and continued leadership in structured cabling.

Choosing IBDN for your next installation or upgrade means you'll be choosing peace of mind. Today, tomorrow and for what's coming next.

BIX Connector Performance

(Minimum average values at 100 MHz)

	BIX CONNECTOR	TIA CAT5
NEXT	58.9 dB	40.0 dB
Power Sum NEXT	55.9 dB	not specified
Attenuation	0.18 dB	0.40 dB
Return Loss	23.7 dB	14.0 dB
Balance	56.7 dB	not specified

FEATURES

- Enhanced Category 5 performance ● → Provides headroom for high-speed multi-pair and emerging gigabit applications
- Compact BIX connector and wide product line ● → Highest system density available
- Easy to use BIX patch cords ● → Complements and extends installed system efficiency
- Combination of IDC and industry standard modular jacks and NORDX/CDT's full line of patch cords and line cords ● → Adds to system modularity and ease of administration
- Robust and installer-friendly design ● → Reduces installation and operating costs
- Unique BIX connecting tool ● → Fastest installation time with less installer fatigue
- Wide variety of configuration options ● → Ensures greater design flexibility to suit any network requirement
- Built-in pair-splitters on connectors ● → Facilitates wire insertion
- Quiet fronts on connectors ● → Well protected connections
- Distinct color-coded designation labels and strips ● → Allows easy identification and facilitates system administration and maintenance
- Exceeds TIA/EIA 568A and ISO 11801 ● → Complies with North American and International standards.
- IBDN Certified Components ● → Provides **lifetime performance application assurance** and **25-year product warranty** as part of an IBDN Certified Structured Cabling System

ADVANTAGES

For more information on NORDX/CDT and IBDN, please call:

1-800-262-9334

Or visit us on the Net at:

www.nordx.com

United States
NORDX/CDT Corp.
Tel.: (800) 262-9334
Fax: (514) 822-7981

Canada
NORDX/CDT, Inc.
Tel.: (800) 262-9334
Fax: (514) 822-7981

Europe, Middle East and Africa
NORDX/CDT Limited
Tel.: (+44) 1344 661200
Fax: (+44) 1344 661201

Mexico
NORDX/CDT, Inc.
Tel.: 52-5-448-4933
Fax: 52-5-448-4935

Caribbean and Latin America
NORDX/CDT, Inc.
Tel.: (305) 412-9600
Fax: (305) 412-0097

Asia Pacific
NORDX/CDT Asia Limited
Tel.: (852) 2955-0128
Fax: (852) 2955-0001

Australia
NORDX/CDT Australia Pty Limited
Tel.: (02) 9482-7300
Fax: (02) 9482-7311

ORDERING INFORMATION

DESCRIPTION	PRODUCT CODE	ORDERING NUMBER
CONNECTORS AND MOUNTS		
BIX DISTRIBUTION CONNECTOR, 25-PAIR		
5-pair Marking	QCBIX1A	A0266828
4-pair Marking	QCBIX1A4	A0393146
BIX DISTRIBUTION CONNECTOR, 5-PORT (20-PAIR)		
BIX MULTIPLYING CONNECTOR		
12x2-pair	QCBIX2A	A0269923
5x5-pair	QCBIX5A	A0266827
2x2-pair & 3x7-pair	QCBIX7A	A0269925
BIX MODULAR JACK CONNECTOR		
6-port, PS5, T568A/B Coded	NXXCBMC6U	AX100798
6-port, USOC, 8-position, 8-pin	QCBIX36D	A0341173
8-port, USOC, 6-position, 6-pin	QCBIX36C	A0330864
12-port, USOC, 6-position, 4-pin	QCBIX36B	A0330863
BIX MOUNT		
300-pair	QMBIX12E	A0340836
250-pair	QMBIX10A	A0270164
50-pair	QMBIX10C	A0284798
50-pair with Locking Cover	QMBIX31A	A0277853
50-pair with Snap-on Cover	QMBIX31B	A0277854
WIRE MOUNT ACCESSORIES AND COVERS		
DISTRIBUTION RING	QRBIX19A	A0270168
DISTRIBUTION BRACKET	QBBIXPC10A/12E	A0630606
LOCKING COVER FOR QMBIX12E	QCABIX32E	A0340838
LOCKING COVER FOR QMBIX10A	QCABIX32A	A0285986
LOCKING COVER FOR QMBIX10A, STAND ALONE INSTALLATION	QCABIX28A	A0276396
COVER FOR QMBIX10A, STAND ALONE INSTALLATION	QCABIX26A	A0276394
FRAMES		
BIX FRAME, 4800-PAIR	QFBIX24E	A0340837
BIX FRAME, 4000-PAIR	QFBIX24A	A0275511
BIX FRAME END KIT	QKBIX25A	A0275512
BIX FRAME DISTRIBUTION RING	-	P0596540
UNIVERSAL BIX-PAC		
10-2, 2 RJ21X Female to 2 QCBIX1A Connectors	QAPAC2UN	A0321772
10-4, 4 RJ21X Female to 4 QCBIX1A Connectors	QAPAC4UN	A0321773
10-2, 6 RJ21X Female to 6 QCBIX1A Connectors	QAPAC6UN	A0321774
10-2, 8 RJ21X Female to 8 QCBIX1A Connectors	QAPAC8UN	A0321775
10-2, 10 RJ21X Female to 10 QCBIX1A Connectors	QAPAC10UN	A0321776
BIX-PAC ENCLOSURE – Gray	QCPAC1A	A0318897
BIX TRUNK ACCESS BLOCK		
1 RJ21X FEMALE TO 2 QCBIX1A CONNECTOR	QMBIX31D	A0327325
2 RJ21X FEMALE TO 2 QCBIX1A CONNECTOR	QMBIX31E	A0327326
PATCH CORDS		
PS5 BIX PATCH CORD, BIX-BIX, 4-PAIR		
4 ft. – 1.2 m	NXBPC4BB-04	AX100625
7 ft. – 2.1 m	NXBPC4BB-07	AX100626
10 ft. – 3.0 m	NXBPC4BB-10	AX100627
15 ft. – 4.6 m	NXBPC4BB-15	AX100628
25 ft. – 7.6 m	NXBPC4BB-25	AX100629
PS5 BIX PATCH CORD, BIX-8MOD, T568A, 4-PAIR		
4 ft. – 1.2 m	NXBPC4BMA-04	AX100630
7 ft. – 2.1 m	NXBPC4BMA-07	AX100631
10 ft. – 3.0 m	NXBPC4BMA-10	AX100632
15 ft. – 4.6 m	NXBPC4BMA-15	AX100633
25 ft. – 7.6 m	NXBPC4BMA-25	AX100634
PS5 BIX PATCH CORD, BIX-8MOD, T568B, 4-PAIR		
4 ft. – 1.2 m	NXBPC4BMB-04	AX100635
7 ft. – 2.1 m	NXBPC4BMB-07	AX100636
10 ft. – 3.0 m	NXBPC4BMB-10	AX100637
15 ft. – 4.6 m	NXBPC4BMB-15	AX100638
25 ft. – 7.6 m	NXBPC4BMB-25	AX100639

ORDERING INFORMATION

DESCRIPTION	PRODUCT CODE	ORDERING NUMBER	
PATCH CORDS			
BIX PATCH CORD, BIX-BIX, 2-PAIR			
4 ft. – 1.2 m	QCBEPC-2C04	A0410494	
7 ft. – 2.1 m	QCBEPC-2C07	A0410495	
10 ft. – 3.0 m	QCBEPC-2C10	A0410496	
15 ft. – 4.6 m	QCBEPC-2C15	A0410497	
BIX PATCH CORD, BIX-BIX, 1-PAIR			
4 ft. – 1.2 m	QCBEPC-1C04	A0410469	
7 ft. – 2.1 m	QCBEPC-1C07	A0410471	
10 ft. – 3.0 m	QCBEPC-1C10	A0410473	
15 ft. – 4.6 m	QCBEPC-1C15	A0410475	
25 ft. – 7.6 m	QCBEPC-1C25	A0410493	
INSTALLATION TOOLS			
BIX CONNECTING TOOL	QTBIX16A	A0270165	
BIX CONNECTING TOOL POUCH	QTBIX16S	C0054642	
DESCRIPTION	STANDARD PACK	PRODUCT CODE	ORDERING NUMBER
TESTING TOOLS AND ACCESSORIES			
TEST PROBE, 1-PAIR	1	QTBIX17A	A0270166
TEST CONNECTOR, 25-PAIR	1	QTBIX22A	A0270171
SPECIAL SERVICE GUARD, 1-PAIR, RED	50	QGBIX23A	A0270172
BRIDGING CLIP, 1-PAIR, WHITE	50	QLBIX38A	A0325091
BRIDGING CLIP, 1-PAIR, GRAY	50	QLBIX38B	A0325493
WIRE RETAINER	100	-	P0660798
19" RACK BRACKET KIT	1	QKBIX 41A	A0352331
CABLE TIE	100	-	C0093222
DESIGNATION STRIP AND LABELS			
DESCRIPTION	STANDARD PACK	PRODUCT CODE	ORDERING NUMBER
DESIGNATION STRIP, WHITE		50	QSBIX20A A0270169
DESCRIPTION	ORDERING NUMBER	ORDERING NUMBER	
LABELS FOR BIX CONNECTORS (5 PER SHEET)			
White	P0588406	P0731977	
Green	P0748012	P0748005	
Yellow	P0748013	P0748004	
Red	P0748014	P0748003	
Blue	P0748015	P0748006	
Silver/Slate	P0748016	P0748007	
Purple	P0748017	P0748008	
Orange	-	P0748009	
Brown	P0748018	P0748010	
Gray	P0748019	P0748011	
Cable, Green	P0748020	-	
Cable, Blue	P0748021	-	
Cable, Red	P0748022	-	
Cable, Silver/Slate	P0748024	-	
Key Multiplying, Red		P0748023	-
DESCRIPTION	ORDERING NUMBER	ORDERING NUMBER	ORDERING NUMBER
LABELS FOR BIX MODULAR JACK CONNECTORS (10 PER SHEET)			
White	P0698718	P0698714	P0679239
Blue	P0748039	P0748033	P0748026
Green	P0748040	P0748032	P0748027
Red	P0748041	P0748034	P0748028
Silver/Slate	P0748042	P0748035	P0748031
Yellow	P0748043	P0748036	P0748029
Purple	-	-	P0748025
Brown	P0748044	P0748037	P0748030
Gray	P0748045	P0748038	-

**For more information on NORDX/CDT's BIX Cross-Connect System connectivity products,
please call: 1-800-262-9334**