



Comcast Center is a new landmark in Center City Philadelphia.

Comcast Chooses AMP NETCONNECT XG Shielded Copper System

Comcast, a leading provider of cable, entertainment, and communications products and services in the United States, will soon be moving into its new corporate headquarters, Comcast Center. Comcast Center is a 57-story, 975' high office tower with

1,238,000 rentable square feet of space. Comcast will be the anchor tenant of the facility, which will accommodate more than 1,900 Comcast employees and will include technology R&D labs, enhanced training areas, technology demonstration areas, and a new headquarters for Comcast University.

Black Box Corporation, an AMP NETCONNECT registered contractor, is installing the communications cabling in Comcast Center. Because the building design includes multiple 10 Gigabit drops to the desktop, choosing the right structured cabling solution was critical. After a thorough technical evaluation of available 10 Gigabit solutions, the AMP NETCONNECT XH shielded copper system was selected. Black Box corporation has installed 2.1 million feet and 27,000 jacks of the XG shielded copper system in Comcast Center.

The performance benefits of the AMP NETCONNECT XG shielded copper system are clear:

- * ANEXT Eliminated: Shielded copper eliminated ANEXT concerns.
- * Superior Shannon Capacity: XG shielded copper features superior Shannon capacity compared to U/UTP technology. This is an important consideration in the service life of any bandwidth-intensive network, with ever increasing broadband throughput demands.

* Ease of Cable Installation: XG shielded copper cable is easier to

install because it does not require the labor-intensive and complex inter-lacing cabling process required to address ANEXT in U/UTP solutions.

* Space Efficiency: Up to 40% more XG shielded cables can be installed in the same space as unshielded cables, making better use of limited raceway space.

* Performance Verification: XG shielded copper cable testing is faster onsite than U/UTP as the cable shield eliminates the need to test for Alien Crosstalk. Testing is a time-consuming process for U/UTP, which has led others to recommend random sample tests of critical links, where 100% verification has been the norm.

The XG shielded copper system is easy to install. The SL Series AMP-Twist modular jacks - the industry's premier, fully-compatible 10 Gigabit connector - were used throughout Comcast Center. AMP-TWIST jacks feature integrated cutting blades, simple two-piece construction, and can be terminated in about 90 sec-



Over 2.1 million feet of 10 Gigabit shielded copper cable and 27,000 jacks are in Comcast Center.

XG Shielded Copper System in Comcast Center

onds. The SL series termination tool makes terminating shielded cables easy and consistent.

Mike Shelinsky managed the Comcast Center structured cabling installation for Black Box Corporation. Mike notes, "The snap and snip tool makes it easy to terminate the connector, and it's a nice clean install. The sizing and flexibility of the shielded cable are key. We got four shielded ports plus a coax port in a single gang outlet, which is really important."

Shelinsky also saw advantages when installing shielded copper in the IDF, saying, "It's easier to dress shielded cable in a closet than 5 or 5e cable, and it's easier to comb off the tray into the rack. It's also a lot tougher to accidentally kink a shielded copper cable." The AMP-TWIST facks made installation easier in the IDF. Shelinsky noted, "It took 3 to 5 minutes to fully terminate and dress the cable in the patch panel - much easier than using a punch down tool."

Training and service is important for the success of any project. Shelinsky

said, "I have never seen more hands-on support than Tyco Electronics has shown on this project. They did training session and downloaded the training video on a hard drive so the guys could look at it later on. They

made sure everything was done right."

Charles Cerino, Vice President of Network Technology for Comcast, captured the most important benefit of the Comcast Center network, saying that he can get to anywhere in the world from his office. The AMP NETCONNECT XG shielded copper system is the structured cabling foundation of Comcast's business-critical network.



Four XG shielded copper ports plus one coax port fit in a single gang outlet.

"I can get to anywhere in the world from my office."

Charles Cerino, Vice President of Network Technology for Comcast

TE AMP NETCONNECT Regional Sales Headquarters:

North America

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Europe

Kessel-Lo, Belgium
Ph: +32-16-35-2190
Fx: +32-16-35-2188

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Asia

Hong Kong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2-9554-2600
Fx: +61-2-9554-2519

TE AMP NETCONNECT in Europe, Middle East, Africa and India:

Austria - Vienna
Ph: +43-1-90560-1204
Fx: +43-1-90560-1270

Egypt - Cairo
Ph: +20-2-2419-2334
Fx: +20-2-2417-7647

Hungary - Budapest
Ph: +36-1-289-1007
Fx: +36-1-289-1010

Netherlands - Den Bosch
Ph: +31-73-6246-246
Fx: +31-73-6246-958

Russia - Moscow
Ph: +7-495-790-7902
Fx: +7-495-721-1894

Ukraine - Kiev
Ph: +380-44-206-2265
Fx: +380-44-206-2264

Belgium - Kessel-Lo
Ph: +32-16-35-1011
Fx: +32-16-35-2188

Finland - Helsinki
Ph: +358-95-12-34-20
Fx: +358-95-12-34-250

India - Bangalore
Ph: +91-80-4011-5000
Fx: +91-80-4011-5030

Norway - Nesbru
Ph: +47-66-77-88-99
Fx: +47-66-77-88-55

Spain - Barcelona
Ph: +34-93-291-0330
Fx: +34-93-291-0608

UK - Stanmore, Middx
Ph: +44-208-420-8140
Fx: +44-208-954-7467

Bulgaria - Sofia
Ph: +359-2-971-2152
Fx: +359-2-971-2153

France - Cergy-Pontoise
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Italy - Collegno (Torino)
Ph: +39-011-4012-111
Fx: +39-011-4012-268

Poland - Warsaw
Ph: +48-22-4576-700
Fx: +48-22-4576-720

Sweden - Upplands Väsby
Ph: +46-8-5072-5000
Fx: +46-8-5072-5001

U.A.E. - Dubai
Ph: +971-4-321-0201
Fx: +971-4-321-6300

Czech Rep./Slov. - Kurim
Ph: +420-541-162-112
Fx: +420-541-162-132

Germany - Langen
Ph: +49-6103-709-1547
Fx: +49-6103-709-1219

Kazakhstan - Almaty
Ph: +7-327-244-5875
Fx: +7-327-244-5877

Portugal - Evora
Ph: +351-961-377-331
Fx: +351-211-454-506

Switzerland - Steinach
Ph: +41-71-447-0-447
Fx: +41-71-447-0-423

Denmark - Glostrup
Ph: +45-70-15-52-00
Fx: +45-43-44-14-14

Greece/Cyprus - Athens
Ph: +30-210-9370-396
Fx: +30-210-9370-655

Lithuania - Vilnius
Ph: +370-5-2131-402
Fx: +370-5-2131-403

Romania - Bucharest
Ph: +40-21-311-3479
Fx: +40-21-312-0574

Turkey - Istanbul
Ph: +90-212-281-8181
Fx: +90-212-281-8184



Our commitment. Your advantage.