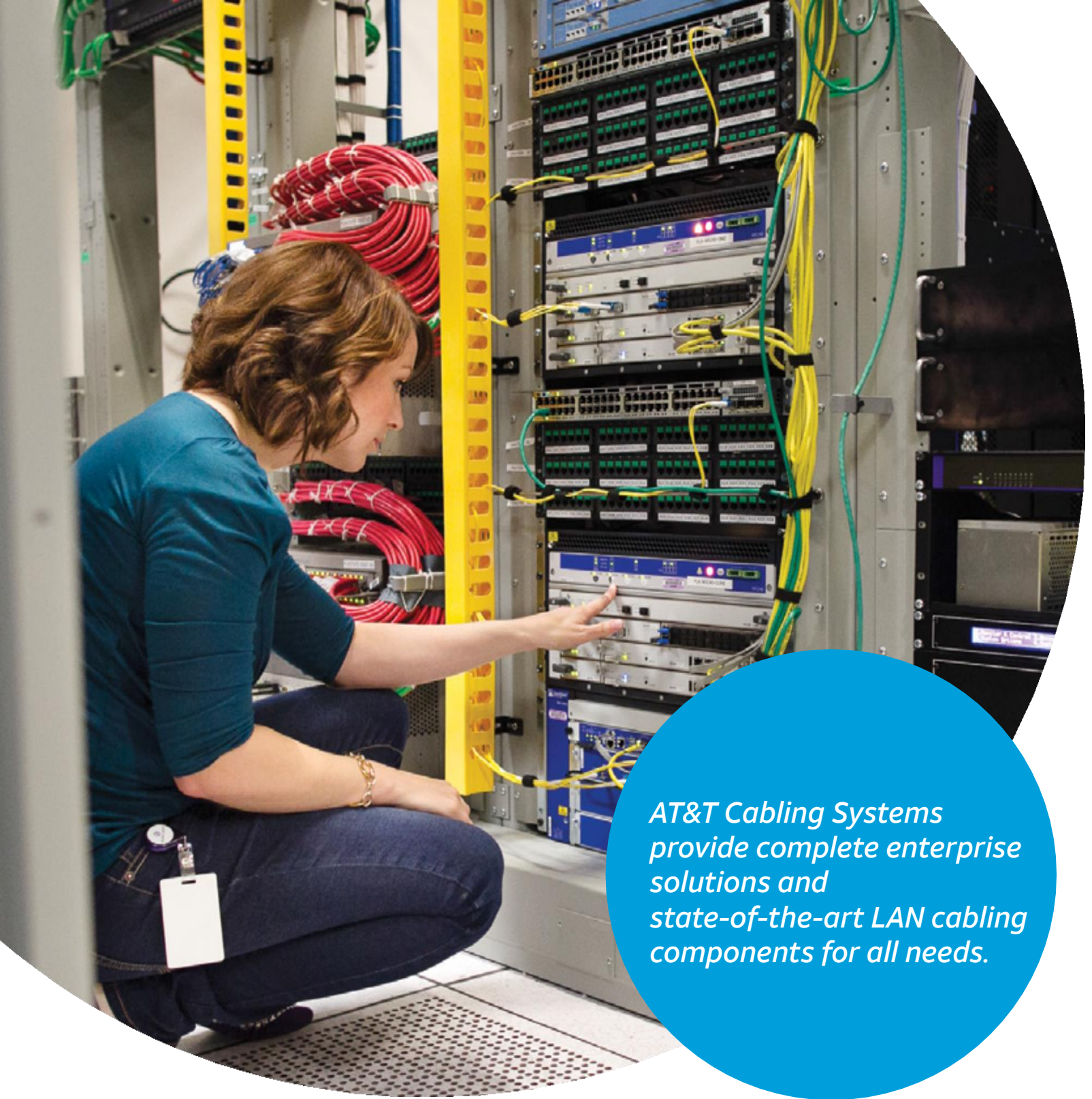


About Us

AT&T Cabling Systems





*AT&T Cabling Systems
provide complete enterprise
solutions and
state-of-the-art LAN cabling
components for all needs.*

AT&T Cabling Systems

Our high-performance network infrastructure solutions based on innovative designs and highly advanced technology are the first choice for all applications. Faithful to the world-leading AT&T heritage, combining world-class reliability with the unique AT&T Millennium™ Lifetime warranty, AT&T Cabling Systems is your key to years of fail-safe and trouble-free operation, minimizing system downtime and maximizing your profits.

AT&T Cabling Systems



AT&T Cabling Systems Goals

AT&T Cabling Systems Continuous goals:

- *Supply high performance network infrastructure solutions, virtually anywhere in the world.*
- *Provide high performance advanced technology and services.*
- *Satisfy the IT infrastructure needs of our global customers.*
- *Provide continuous expert support and be a reliable partner to all our customers. These goals are achieved by a unique combination of deep knowledge of all LAN cabling aspects, integrity, teamwork & creativity, all provided under the trusted AT&T brand.*



Warranty

AT&T Cabling Systems provides the AT&T Millennium™ Lifetime warranty – a complete & comprehensive warranty for life.

Best in the Industry



AT&T Millennium™ Lifetime warranty

Sample Warranty Document

AT&T Cabling Systems www.att.com/cabling		S/N 2018-02-26-A
AT&T Millennium™ Lifetime Warranty		Submitted to The Company Website: www.thecompany.com
This warranty is based on test reports and documents provided by the installer and is applicable only to the extent of the AT&T Millennium™ Lifetime Warranty conditions and limitations detailed in www.att.com/cabling .		
Project Details Name: Project name Location: Project location & address End User: End-user name Website: www.enuser.com	Approval Details 1200 ISO/IEC 14763-3 50/125u OM4 MM FO links 7000 ISO/IEC 11801 Class Ea PL2	
Approved by: Name Signature Function		Submitted: Date
<small>AT&T Authorized Licensee. AT&T, the AT&T Globe Design and all other AT&T marks contained herein are trademarks of AT&T Intellectual Property and/or AT&T affiliated companies. Issue 2.0 15/8/2016 AT&T Millennium™ Lifetime warranty is a trademark of AT&T Cabling Systems, Inc.</small>		

Performance



AT&T Cabling Systems provides full component-level performance and 100% factory tested products.



Quality

AT&T Cabling Systems provides the highest quality components with guaranteed performance.



Solutions



AT&T Cabling Systems provides end-to-end solutions for five cabling segments:

Copper

Fiber

Data-Center

Cabinets

Outdoor



AT&T Cabling Systems

AT&T
Product Lines



AT&T Cabling Systems

Product Range **CopperLine™**

LAN Indoor Copper End-to-End Solutions

Cables, Connectors, Panels & Modular Cords:

- CopperLine Category 3
- CopperLine Category 5
- CopperLine Category 5e
- CopperLine Category 6
- CopperLine Category 6A
- CopperLine Category 7
- CopperLine Category 7A
- CopperLine 1200MHz
- CopperLine Category 8



AT&T Cabling Systems

Product Range FiberLine™

LAN Fiber-Optic End-to-End Solutions

Cables, Connectors, Panels & Modular Cords:

- FiberLine FO Distribution System
- FiberLine FO Backbone
- FiberLine FO Horizontal System (FTTx)
- FiberLine FO Outlets
- FiberLine FO Cables:
 - *FiberLine Breakout Cables*
 - *FiberLine Tight-Buffered Cables*
 - *FiberLine Single Loose-Tube Cables*
 - *FiberLine Multi loose-Tube Cables*
 - *FiberLine Simplex & Duplex Cables*
 - *FiberLine Micro-Tube & ADSS Cables*

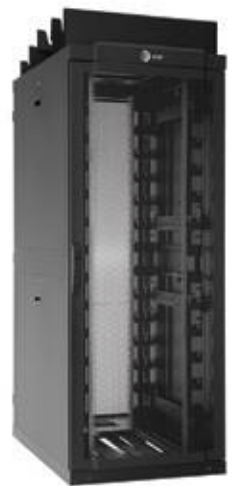


AT&T Cabling Systems

Product Range **CenterLine™**

Data-Center Complete Solutions

- CenterLine Enclosures & Rack Systems (Server & Networking)
- CenterLine Hot/Cold Corridor Containment Systems
- CenterLine Monitoring & Management System
- CenterLine Copper Cabling Solutions
- CenterLine FO Cabling Solutions



AT&T Cabling Systems

Product Range **RackLine™**

Cabinets, Racks, Enclosures & Cable Managements solutions

- RackLine Server Cabinets
- RackLine Networking Cabinets
- RackLine SOHO Cabinets
- RackLine Cable Management Solutions
- RackLine Accessories
- RackLine Power Distribution Systems
- RackLine Ventilation Systems



AT&T Cabling Systems

Product Range **OutdoorLine™**

Outdoor Cabling Solutions

- OutdoorLine Telephone & Category 3 Multipair Cables
- OutdoorLine LAN Cables
- OutdoorLine LAN Connectivity
- OutdoorLine FO Cables
- OutdoorLine FO Connection Boxes
- OutdoorLine Cabinets
- OutdoorLine FTTx Solutions



AT&T Cabling Systems

Product Range **Port-LockLine™**

Secure LAN Copper & Fiber Optic End-to-End Solutions

- Port-LockLine Category 6
- Port-LockLine Category 6A
- Port-LockLine SC Simplex
- Port-LockLine LC Duplex



AT&T Cabling Systems

Product Range **CablingGuard™**

AT&T Cabling Physical Layer Management Suit

- CablingGuard Category 5e Copper Panels
- CablingGuard Category 6 Copper Panels
- CablingGuard Category 6A Copper Panels
- CablingGuard Fiber Optic Panels
- CablingGuard Smart Card
- CablingGuard Channel Infrastructure Analyzer
- CablingGuard Application & Dashboard Softwares



AT&T Cabling Systems

Product Range AFOE™

AFOE™ – AT&T Advanced FiberOptic Enclosures

- Comprehensive fiber-optic cross-connect solution in 1U, 2U or 4U options
- Optional 12-fiber or 24-fiber MTP backbone connections
- Up to 144 LC FO connections or 576 MTP FO connections in 1U
- Up to 288 LC FO connections or 1152 MTP FO connections in 2U
- Up to 576 LC FO connections or 2304 MTP FO connections in 4U
- Optional MTP/LC cassette configurations: 1x12, 2x12, 1x8, 2x8 or 3x8
- Optional MTP/MTP cassette configurations: 1xMTP, 3xMTP or 6xMTP
- Optional shuttered LC adapters
- Optional shuttered MTP adapters
- Front cord management integrated in cassettes
- Integrated side rings cord management
- Integrated backbone cable management
- Aluminum frame panels
- High quality polycarbonate cassettes
- Sliding drawer type panels providing easy access to panel back side
- Front panel labeling
- Individual cassette labeling
- Back side backbone labeling and marking
- Down to 0.30dB MTP/LC total Channel Cassette loss with 12-fiber back bone – Super low loss plus
- Down to 0.35dB MTP/LC total Channel Cassette loss with 24-fiber back bone – Super low loss



AT&T Cabling Systems

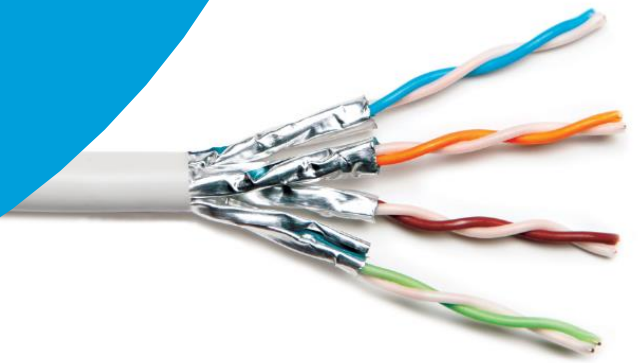
Unique Features and Solutions



AT&T Cabling Systems

CAT6A Cable

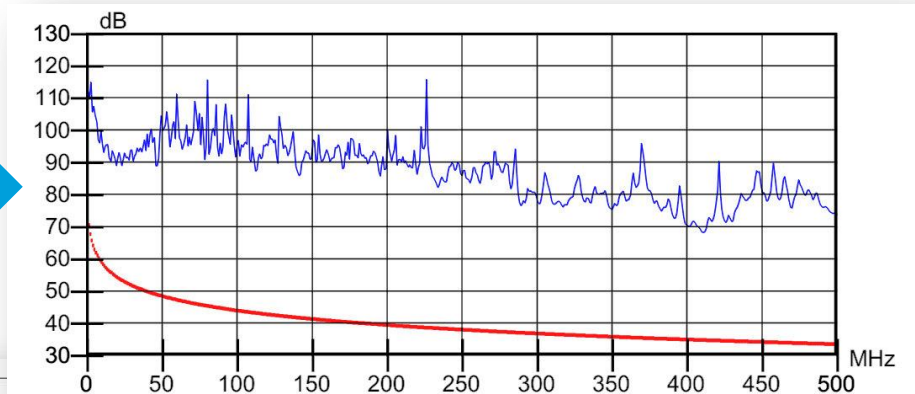
PiMF Design



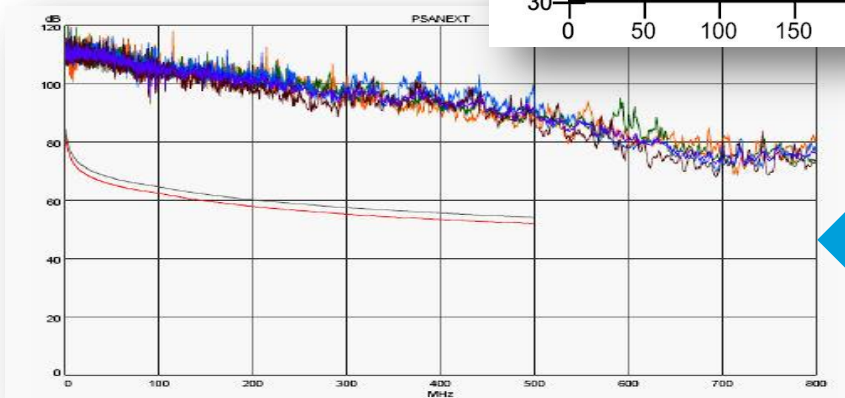
ACS unique Category 6A cable PiMF design provides outstanding transmission properties with higher headroom in most transmission properties.

- Outstanding Transmission Properties with High Headroom
- Universal cable design can be used in both Shielded and Un-shielded solution
- 100% of cable reels tested for NEXT and RL – No defective cable is ever shipped

Typical NEXT Loss
CAT6A Unshielded cable



Typical PS-ANEXT Loss
CAT6A Unshielded cable

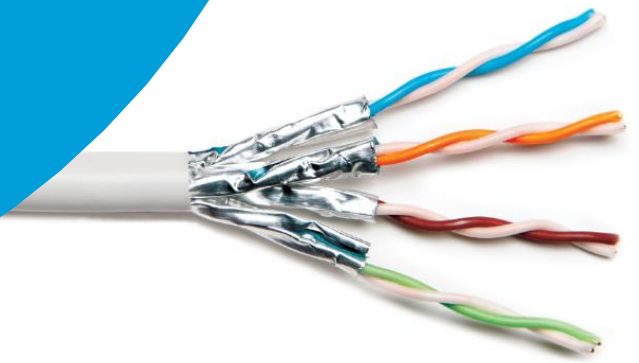


The same cable design may be used in shielded and unshielded systems without the need to test alien-crosstalk (AXT) as the PiMF design blocks effectively all induced signals regardless of the ground quality or existence.

AT&T Cabling Systems

CAT6A Cable

PiMF Design



CAT 6A PiMF design benefits

All pairs twisted in long lay lengths:

- Easier to untwist – reduced termination time
- Lower DC resistance per cable length => better PoE support
- Lower delay skew (8~15 nS/100m)

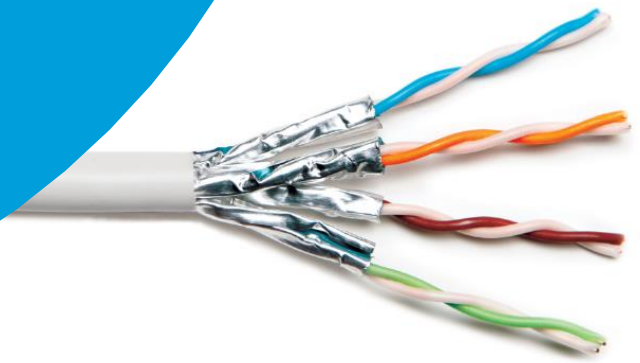
Each pair wrapped with a metal foil:

- Better heat dissipation => better PoE support
- Extremely high NEXT loss, FEXT loss and AXT loss
- High tolerance to cable abuse during installation
- Stable pair balance

Foamed insulation:

- Lower dielectric constant => Higher velocity of propagation (V_p)
- Lower dielectric losses => lower attenuation

AT&T Cabling Systems CAT6A Cable Certificates



Intertek/ETL Certificates

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 102361234CRT-001

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: 4 pair, 23 AWG, Unshielded, LSOH, Non-Plenum, Horizontal (Solid) Cable.

Model(s) and or Brand Name: 11M6Axy004N; Notes: "x" may be replaced by V or H and "y" and "N" may be replaced by A, B, C, D or E.

Standard(s)/Specification: ANSI/TIA-568-C.2 and ISO/IEC 11801 Category 6A with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ANSI/TIA-568-C.2 and ISO/IEC 11801 Category 6A

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: November 11, 2015

Approved By:  John Cash, Associate Engineer
 Antoine Pelletier, Project Engineer


This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CAT6A U/MTP (Unshielded)

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 101230698CRT-001c

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems - EMEA HQ
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: Category 6A 4 pair, 23 AWG, U/FTP, LSOH, Non-Plenum, Horizontal (Solid) Cable.

Model(s) and or Brand Name: 11F6AHA004N

Standard(s)/Specification: ANSI/TIA-568-C.2, ISO/IEC 11801, and IEC 61156-5 Category 6A with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ANSI/TIA-568-C.2, ISO/IEC 11801, and IEC 61156-5 Category 6A.

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: June 18, 2013

Approved By:  John Cash, Associate Engineer

Date Revised: February 23, 2014

Approved By:  Antoine Pelletier, Team Leader

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CAT6A U/FTP (Shielded)



AT&T Cabling Systems CAT6A & CAT 7 Cable Certificates



Intertek/ETL Certificates

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 102415569CRT-001

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: 4 pair, 23 AWG, S/FTP, CM, Non-Plenum, Horizontal (Solid) Cable.

Model(s) and or Brand Name: 11S6AHx004N; Notes: "x" and "N" may be replaced by A, B, C, D or E.

Standard(s)/Specification: ISO/IEC 11801 & IEC 61156-5 Category 6A with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ISO/IEC 11801 IEC 61156-5 Category 6A

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: December 23, 2015

Approved By:  John Cash, Associate Engineer
 Antoine Pelletier, Project Engineer

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CAT6A S/FTP

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 101230698CRT-001d

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems - EMEA HQ
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: Category 7 4 pair, 23 AWG, S/FTP, LSOH, Non-Plenum, Horizontal (Solid) Cable.

Model(s) and or Brand Name: 11S07Hx004N; Note: "x" and "N" may be replaced by A, C, D or E

Standard(s)/Specification: ISO/IEC 11801 and IEC 61156-5 Category 7 with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ISO/IEC 11801 and IEC 61156-5 Category 7.

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: June 18, 2013
Date Revised: February 23, 2014

Approved By:  John Cash, Associate Engineer
 Antoine Pelletier, Team Leader

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CAT7 S/FTP



AT&T Cabling Systems CAT7A Cable Certificates



Intertek/ETL Certificates

Intertek

ETL VERIFIED

Intertek

ETL Verified Certificate of Conformance Number: 101990307CRT-001

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems - EMEA HQ
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested 4 pair, 23 AWG, S/FTP, LSOH, Non-Plenum, Horizontal (solid) Cable.

Model(s) and or Brand Name: 11S7AHxK04N Note: x and N can be replaced by A, B, C, D or E

Standard(s)/Specification ISO/IEC 11801 Category 7A with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ISO/IEC 11801 Category 7A.

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: January 29, 2015

Approved By: *John Cash* John Cash, Associate Engineer *Antoine Pelletier* Antoine Pelletier, Team Leader

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Intertek

ETL VERIFIED

Intertek

ETL Verified Certificate of Conformance Number: 101230698CRT-001e

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested 4 pair, 22 AWG, S/FTP, LSOH, Non-Plenum, Horizontal (solid) Cable.

Model(s) and or Brand Name: 11S7AHx004N; Note: "x" and "N" may be replaced by A, C, D or E

Standard(s)/Specification ISO/IEC 11801 and IEC 61156-5 Category 7A with the applicable electrical transmission characteristics

Jacket marking shall include: ETL Verified to ISO/IEC 11801 and IEC 61156-5 Category 7A

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: June 18, 2013 **Date Revised:** October 30, 2015

Approved By: *John Cash* John Cash, Associate Engineer *Antoine Pelletier* Antoine Pelletier, Project Engineer

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CAT7A 23AWG S/FTP

CAT7A 22AWG S/FTP



AT&T Cabling Systems CAT8 Cable



ACS CAT 8, 4-Pair 22AWG S/FTP horizontal cable conforms to TIA 568-C.2-1, to IEC 61156-9 CAT 8.1 and CAT 8.2.

The cable supports Permanent Links and Channels according to TIA-568-C.2-1, ISO/IEC 11801-1 Class I & IS/IEC 11801-1 Class II

ACS CAT 8 is the industry
first ETL Verified cable



3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 102833360CRT-001

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: 4 pair, 22 AWG, S/FTP, LSOH, Non-Plenum, Horizontal (Solid) Cable.
Model(s) and or Brand Name: 11S08Hx004y; Note: "x" and "y" may be replaced by A,B, C, D or E
Standard(s)/Specification: ANSI/TIA-568-C.2-1 Category 8 and IEC 61156-9 Category 8.2 with the applicable electrical transmission characteristics
Jacket marking shall include: ETL Verified to ANSI/TIA-568-C.2-1 Category 8 and IEC 61156-9 Category 8.2

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: December 02, 2016

Approved By:

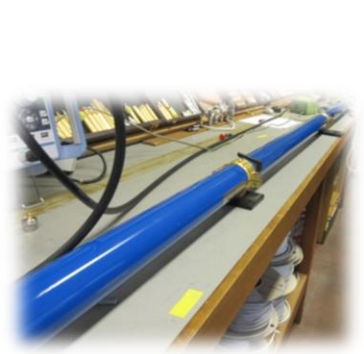
Antoine Pelletier
Antoine Pelletier, Project Engineer

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

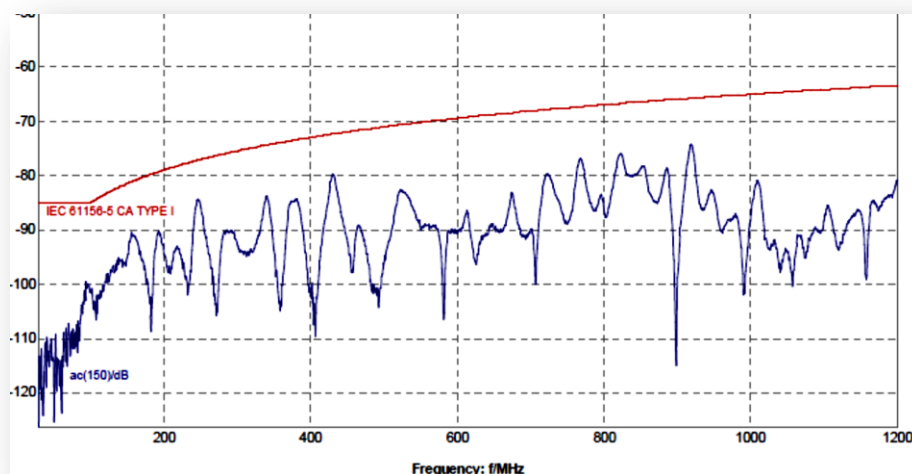
NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

State Of The Art Testing Facility



- State Of The Art Production facility
- Dedicated Testing Equipment – Specialised in Testing Coupling Attenuation (CA), Transfer Impedance (Zt) and Transverse Conversion Loss (TCL)
- CA and Zt Testing - Unique and Only Standardized method to Assess True EMC of Cable
- TCL Testing - Unique and Only Standardized method to Assess Balance of Cables and asses CA of Un-shielded cables

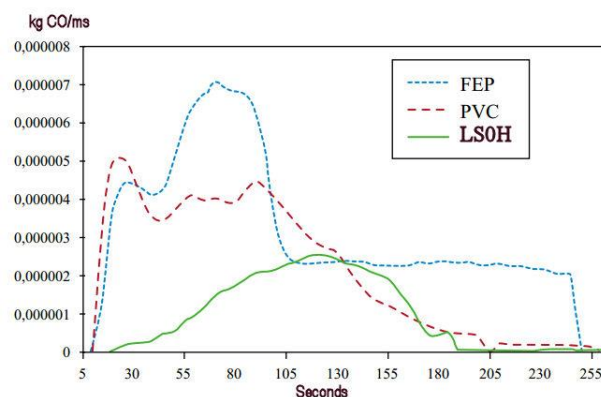


Typical CA of a twisted pair conforming to IEC 61156-5 TYPE I CA

Fire Safety



- We believe in Safety for both humans and building infrastructures including active equipment.
- During fire PVC jacketed cables release large amounts of highly toxic and corrosive gases including HCL (Hydrogen Chloride) and CO (Carbon Monoxide)!!!
- All ACS Copper and Fibre cables including modular cords are 100% Halogen Free and Flame Retardant.
- During Fire, Halogen Free Cables DO NOT propagate flame, they DO NOT release acid gas, they release a MINIMUM amount of smoke and CO.



ACS horizontal cables are officially classified and verified according to the EU Construction Product Regulation enabling designers to select the adequate cable for any project, based on total heat release, flame spread, smoke and toxicity.

AT&T Cabling Systems LSOH CPR Certificates

ACS U/FTP, U/MTP, F/FTP and S/FTP cables
certificates with the highest CPR classification:
B2ca-s1a, d0, a1

AENOR
Certificate of
constancy of performance
CE
0099
0099/CPR/B85/0227

In compliance with Construction Products Regulation 305/2011/EU of the European Parliament and of the Council, of 9 March 2011, the notified body AENOR (n. 0099) has issued this certificate to

AT&T CABLING SY
registered office Bankalar Street No: 29 34
Certified performance Reaction to Fire of data cal
Works
Harmonized Standard EN 50575:2014
EN 50575:2014/A1:2016
Designation LC-CPR-A03B
Trade Mark AT&T
Generic Family U/FTP unscreened overall
Class of reaction to fire B2ca-s1a, d0, a1
Cross-sectional Range 4 x 2 x 0.242 mm² (23 AWG)
11509HA004C; 11509HA004A
7.5 mm
Overall Diameter Range Code ATT50674
Production site
Certification scheme This certificate attests that
assessment and verificatio
and its constancy describ
applied.
This certificate will remain
test methods and/or factor
the harmonised standard,
characteristics, do not chan
conditions in the plant are
First issued on 2017-11-08
Validity date 2020-11-08
AENOR INTERNACIONAL S.A.
Getaxo, s. 28020 Madrid, España
Tel. 91 431 60 02 - www.aenor.com
Control body accredited by ENAC

AENOR
Certificate of
constancy of performance
CE
0099
0099/CPR/B85/0178

In compliance with Construction Products Regulation 305/2011/EU of the European Parliament and of the Council, of 9 March 2011, the notified body AENOR (n. 0099) has issued this certificate to

AT&T CABLING SYSTEMS
registered office Bankalar Street No: 29 34420 Beyoğlu (İstanbul - Turquía)
Certified performance Reaction to Fire of data cables for general applications in construction
Works
Harmonized Standard EN 50575:2014
EN 50575:2014/A1:2016
Designation LC-CPR-B37B
Trade Mark AT&T Cabling Systems
Generic Family F/FTP: screened overall / screened twisted pair
Class of reaction to fire B2ca-s1a, d0, a1
Cross-sectional Range From 4 x 2 x 0.242 mm² to 4 x 2 x 0.277 mm² (23 AWG)
11509HA004C; 11509HA004A; 11509HA004B; 11509HA004D
Note: "x" can be replaced by any letter representing parameters that do not affect the cable structure
and/or reaction to fire characteristics.
Overall Diameter Range From 8.1 mm to 8.4 mm
Production site Code ATT50674
Certification scheme This certificate attests that all provisions under system 1+ concerning the
assessment and verification of performance of the declared reaction to fire
and its constancy described in Annex ZZ of the harmonized standard are
applied.
This certificate will remain valid until its validity date, provided that the
test methods and/or factory production control requirements included in
the harmonised standard, used to assess the performance of the declared
characteristics, do not change, and the product, and the manufacturing
conditions in the plant are not modified significantly.
First issued on 2017-08-03
Validity date 2020-08-03
Rafael GARCÍA
General Manager
AENOR INTERNACIONAL S.A.
Getaxo, s. 28020 Madrid, España
Tel. 91 431 60 02 - www.aenor.com
Control body accredited by ENAC. Accreditation number: OC-P137

AENOR
Certificate of
constancy of performance
CE
0099
0099/CPR/B85/0207

In compliance with Construction Products Regulation 305/2011/EU of the European Parliament and of the Council, of 9 March 2011, the notified body AENOR (n. 0099) has issued this certificate to

AT&T CABLING SYSTEMS
registered office Bankalar Street No: 29 34420 Beyoğlu (İstanbul - Turquía)
Certified performance Reaction to Fire of data cables for general applications in construction
Works
Harmonized Standard EN 50575:2014
EN 50575:2014/A1:2016
Designation LC-CPR-A4B
Trade Mark AT&T
Generic Family S/FTP metallic braid overall / screened twisted pair
Class of reaction to fire B2ca-s1a, d0, a1
Cross-sectional Range 4 x 2 x 0.242 mm² (23 AWG)
11509HA004C; 11509HA004A; 11509HA004B; 11509HA004D
7.5 mm
Overall Diameter Range Code ATT50674
Production site
Certification scheme This certificate attests that all provisions under system 1+ concerning the
assessment and verification of performance of the declared reaction to fire
and its constancy described in Annex ZZ of the harmonized standard are
applied.
This certificate will remain valid until its validity date, provided that the
test methods and/or factory production control requirements included in
the harmonised standard, used to assess the performance of the declared
characteristics, do not change, and the product, and the manufacturing
conditions in the plant are not modified significantly.
First issued on 2017-10-09
Validity date 2020-10-09
Rafael GARCÍA MEIRO
Chief Executive Officer
AENOR INTERNACIONAL S.A.
Getaxo, s. 28020 Madrid, España
Tel. 91 431 60 02 - www.aenor.com
Control body accredited by ENAC. Accreditation number: OC-P137



AT&T Cabling Systems RJ45 Connectors




- Identical Form Factor Design – A full range from CAT3 to CAT6A compatible with ONE Universal Patch Panel
- Unique colour coded IDC modules for each category –Idiot proof visual identification
- Superior quality shielded jacks – Made out of thick Die-Cast metal allowing Improved EMC
- A Universal Multipunch™ (4-pair) Single Blade Punch-Down Tool – Terminate and Cut all 8 wires in one punch. Efficient and Time saving. Save \$\$\$
- DELTA-FORCE verified CAT6a shielded jacks – Supports 2 Pair and 4 Pair POE according to IEC 60512-99-002
- Component level verification by 3rd Party International Testing and Certification body - A Full interoperable and backward compatible design
- UL Listed as Communications and Data Accessories for Safety and High Current Support up to 2 Amps



AT&T Cabling Systems RJ45 CAT6A Connectors Formal verifications

CAT6A Shielded RJ45 KSJ DELTA Certificate
including 4-Pair PoE support



We help ideas meet the real world

Compliance Statement

No. 2016-704A

Connecting Hardware, Category 6A
4 Pair Power over Ethernet (4PPoE)
(Un-mating connectors under electrical load of up to 2 A per conductor)

Company
AT&T Cabling Systems – EMEA HQ
Hohenstaufenring 62
50674 Cologne
Germany

Product description
Screened Category 6A RJ45 Keystone Jack characterised up to 500 MHz, 100 Ω

Product identification
Screened Cat. 6A RJ45 Keystone Jack
Part Number: 15C6ANV008A-MK61

Generic cabling and cabling components standards - Category 6A connector requirements


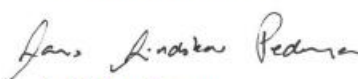
- ISO/IEC 11801:2011 (Ed. 2.2)
- IEC 60603-7-51:2010
- IEC 60512-99-002 (draft 48B/2531/CD)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568-C.2:2009

including all connector alien crosstalk parameters (PS ANEXT and PS AFEXT)

Technical report DELTA-T601110, DANAK-19/17215	EC Cabling product ID 5846	CS valid until 22 September 2018
--	--------------------------------------	--

This product has been tested by DELTA EC Cabling Group and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The testing included measurement of NEXT with a compliant test plug and calculation of all the 14 test cases in both measurement directions. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis once a year. This Compliance Statement has been revised.

Hørsholm, 22 September 2017




Lars Lindskov Pedersen
Test Manager

Dennis Andersen
Head of Department

DELTA
Verlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.madebydelta.com/cable





AT&T Cabling Systems RJ45 CAT6A Connectors Formal verifications

CAT6A Shielded RJ45 KSJ Intertek/ETL Certificate Including AXT verification

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 101223867CRT-001g

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: Category 6A Shielded Connecting Hardware (Keystone Jack)

Model(s) and or Brand Name: 15C6ANV008A
Qualified mounting systems for Alien Crosstalk:
Patch panel, P/N 13S00NV0XXA, 13S00NV0XXB 13S00NV0XXC (XX denotes the number of ports)

Standard(s)/Specification: ANSI/TIA-568-C.2 Category 6A with the applicable electrical transmission characteristics

Product labeling shall include: ETL Verified to ANSI/TIA-568-C.2 Category 6A and the product model(s) and or brand name

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: June 17, 2013
Date Revised: October 28, 2015

Approved By: 
John Cash, Associate Engineer

Antoine Pelletier, Project Engineer

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Intertek


Intertek

3933 US Route 11
Cortland, New York 13045 USA
Phone Number: (800) 345-3851
Fax Number: (607) 758-6637
Web: www.intertek.com

ETL Verified Certificate of Conformance Number: 101223867CRT-001h

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out.

Rendered to:
AT&T Cabling Systems - EMEA HQ
Hohenstaufenring 62
50674 Cologne
Germany
www.att.com/cabling

Product Tested: Category 6A Shielded Connecting Hardware (Keystone Jack)

Model(s) and or Brand Name: 15D6ANV008B
Qualified mounting systems for Alien Crosstalk:
Patch panel, P/N 13S00NV0XXA, 13S00NV0XXB 13S00NV0XXC (XX denotes the number of ports)

Standard(s)/Specification: ANSI/TIA-568-C.2 Category 6A with the applicable electrical transmission characteristics

Product labeling shall include: ETL Verified to ANSI/TIA-568-C.2 Category 6A and the product model(s) and or brand name

Continuing compliance to this specification is monitored through production testing, ongoing inspections by Intertek at the production facility and random sample testing.

Date Issued: June 17, 2013
Date Revised: February 23, 2014

Approved By: 
John Cash, Associate Engineer

Antoine Pelletier, Team Leader

This verification supersedes all previous verifications with the noted Verification/Report number(s) dated before this verification notice.

NOTE: This verification is part of the full test report(s) and should be read in conjunction with it.

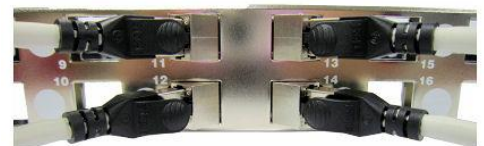
This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

AT&T Cabling Systems Panels

- Standard Panels are offered with plastic molding - Allowing extra strength and ease of labelling
- Front and Rear Cable managers with no extra cost!!



- Rear Cable Management - Allows simple and elegant horizontal and vertical cable separation. Ease of cable management and reduced AXT
- Replace Tie-Wraps with Elastic clips - Minimize cable damage
- Front cable management (Removable) – A cost effective solution. No need to use separate cable minders
- Universal Panel Design – Accommodates CAT3 to CAT6A jacks using ONE Panel
- Unique Straight panels with Angled Jacks Design – Provides practicality of angled panels without consuming extra cabinet



- UL Listed as Communications and Data Accessories

AT&T Cabling Systems Modular Cords



- 100% of all CAT6A cord are tested and verified separately!!!
- Testing is done to ensure compliance in very short channels – Reduce Potential FEXT
- Molded strain relief with Slim design – Lower bend radii, compatible with HD Panels and Switches
- Officially Component Level verification by Intertek/ETL
- UL Listed as Communications and Data Accessories

AT&T Cabling Systems Modular Cords

ACS UL Listing for Modular Cords, Jacks and Panels



ONLINE CERTIFICATIONS DIRECTORY

DUXR.E466494

Communications-, Audio/Video-, Data- and Other Signaling-circuit Accessories

AT&T CABLING SYSTEMS

E466494

Hohenstaufenring 62
50674 Cologne, GERMANY

Connectors, Model(s) 15A06NV008A-WB61, 15A06NV008B-WB61, 15A6ANV008A-WK61, 15A6ANV008B-WK61

Field Terminable Plug, Model(s) 15Q064V008F, 15Q6A4V008F

Keystone jacks, Model(s) 15A06NV008A-BL61

Keystone jacks, Model(s) 15A5ENV008A-WL61, 15A5ENV008B-WL61

Keystone jacks, Model(s) 15C5ENV008A-ML61, 15D5ENV008B-MT61

Keystone jacks, Model(s) 15C6ANV008A-MK61, 15C06NV008A-MB61

Keystone jacks, Model(s) 15D06NV008B-MB61, 15D6ANV008B-MK61

Modular patch cords, Model(s) 14FXXXAxxxA-xx, 14SXXXAxxxA-xx, 14TXXXAxxxA-xx, 14PXXXAxxxA-xx, 14DXXXAxxxA-xx Series, where F=U/FTP; S=S/FTP; T=F/FTP; P=F/UTP; D=SF/UTP; A: Any alphanumeric digit.

Modular patch cords, Model(s) 14UXXXAxxxA-xx Series, where U=U/UTP; A: Any alphanumeric digit.

Patch panels, Model(s) 13S00NV024A-SB1U, 13S00NV048A-SB2U, 13S00NV048C-MT1U, 13S00NV024B-MT1U

Patch panels, Model(s) 13U00NV024A-SB1U, 13U00NV048A-SB2U

Patch panels, Model(s) 13U00NV024B-BK1U, 13U00NV048C-BK1U

Patch panels, Model(s) 13U00NV024D-BK1U



AT&T Cabling Systems

AFOE



The next generation in fiber-optic solutions: AT&T AFOE

- Universal Fibre Optic Break Out Tray Design
- Universal Cassette Design
- Unique 1RU High Density design allowing 144 ports MTP/LC Terminations in 1RU – Save up to 50% of Cabinet Space



- 24 Fibre Modular FO Cassette with various combinations – 1 x 12F, 2 x 12F, 1 x 8F, 2 x 8F or 3 x 8F



- Super Low Loss Connectors – Save up to 66% on the insertion loss budget
- Slimmest Single-Boot Patch Cord – 1.6mm OD (Smallest in the industry)
- Push-pull design with Polarity switch Fibre Patch cord – Cable management convenience in high density environment. Easy access and Save up to 50% space





AT&T Cabling Systems Headquarters

Hohenstaufenring 62
50674, Cologne
Germany

AT&T Corporate Headquarters

208 South Akard St.
Dallas, TX 75202
USA

AT&T Cabling Systems – Australia & New-Zealand Office

Level 6, 141 Walker Street,
North Sydney NSW 2060
Australia

AT&T Cabling Systems – Middle East Office

Business Center
Dubai South
PO Box 390667, Dubai
UAE

AT&T Cabling Systems - Turkey Office

Bankalar Cad. No:29
34420 Karaköy, İstanbul
Turkey

www.att.com/cabling

Sales & Customer Support: info_emea@cabling.att-mail.com

Technical support: tech.support_emea@cabling.att-mail.com

© 2017 AT&T Cabling Systems. All rights reserved.

AT&T Authorized Licensee. AT&T, the AT&T Globe Design and all other AT&T marks contained herein are trademarks of AT&T Intellectual Property and/or AT&T affiliated companies.

Issue 2.1 7/5/2017.

AT&T CopperLine™, AT&T FiberLine™, AT&T CenterLine™, AT&T RackLine™, AT&T OutdoorLine™, AT&T Port-LockLine™, AT&T CablingGuard™, AT&T AFOE™ and AT&T Millennium™ are trademarks of AT&T Cabling Systems.