



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

**Intertek**

**ETL Verified Certificate of Conformance Number: 100183660CRT-001f**

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.

**Applicant:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532  
 Contact: Mr. Jim Duran

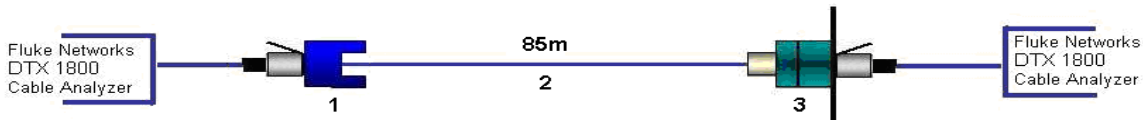
**Manufacturer:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532  
 Contact: Mr. Jim Duran

**Verification/Report Number:** 100183660CRT-001d

**Product Tested:**

2-Connector permanent link, bundled in a 6-around-1 configuration



<u>Component ID</u>	<u>Manufacturer</u>	<u>Part Number</u>	<u>Description</u>
1, 3	Molex	KSJ-00062-**	PowerCAT 6A DataGate Shielded Jack 8W 568 A/B
2	Molex	CAA-00322*-**	PowerCAT 6A U/FTP 4 Pair Cable 500m
3	Molex	PID-00217*	PowerCAT 6A DataGate Shielded 24P Patch Panel

**Standard(s)/Specification:** ISO/IEC 11801 AMD 2 Class E<sub>A</sub> with the applicable electrical transmission characteristics

**Product(s) Literature May Include:** ETL Verified 2-Connector Permanent Link to ISO/IEC 11801 AMD 2 Class E<sub>A</sub>, along with channel illustration, and parts numbers.

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

**Date Verified:** 8/30/2010

**Approved By:** Kathy Heath  
 Kathy Heath, Program Coordinator

Antoine Pelletier  
 Antoine Pelletier, 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

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: 100183660CRT-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.

**Applicant:**

Molex Premise Networks  
2222 Wellington Court  
Lisle, IL 60532  
Contact: Mr. Jim Duran

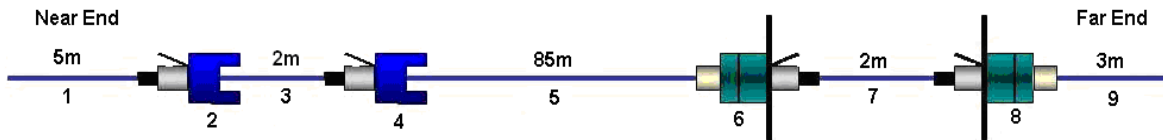
**Manufacturer:**

Molex Premise Networks  
2222 Wellington Court  
Lisle, IL 60532  
Contact: Mr. Jim Duran

**Verification/Report Number:** 100183660CRT-001e

**Product Tested:**

4-Connector channel, bundled in a 6-around-1 configuration



<u>Component ID</u>	<u>Manufacturer</u>	<u>Part Number</u>	<u>Description</u>
1	Molex	PCD-00703-**	PowerCAT 6A Shielded Patch Cord 5m
2, 4, 6, 8	Molex	KSJ-00062-**	PowerCAT 6A DataGate Shielded Jack 8W 568 A/B
3, 7	Molex	PCD-00701-**	PowerCAT 6A Shielded Patch Cord 2m
5	Molex	CAA-00322*-**	PowerCAT 6A U/FTP 4 Pair Cable 500m
6, 8	Molex	PID-00217*	PowerCAT 6A DataGate Shielded 24P Patch Panel
9	Molex	PCD-00702-**	PowerCAT 6A Shielded Patch Cord 3m

**Standard(s)/Specification:** ISO/IEC 11801 AMD 1 Class EA with the applicable electrical transmission characteristics

**Product(s) Literature May Include:** ETL Verified 4-Connector Channel to ISO/IEC 11801 AMD 1 Class EA, along with channel illustration, and parts numbers.

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

**Date Verified:** 8/27/2010

**Approved By:**

*Kathy Heath*  
Kathy Heath, Program Coordinator

*Antoine Pelletier*  
Antoine Pelletier, 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.



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: 3192239CRT-001a**

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.

**Applicant:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

**Manufacturer:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

Contact: Mr. Jim Duran

Contact: Mr. Jim Duran

**Verification/Report Number:** 3153392CRT-001b

**Product Tested:** 4 pair, 23 AWG, FTP, CMP, Plenum, Horizontal (solid) Cable.

**Model(s) and or Brand Name:** CAA-0320P-\*\*\*

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

**Jacket marking shall include:** ETL Verified to ANSI/TIA-568-C.2 Category 6A.

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

**Date Verified:** 11/25/2009

**Date Revised:** 7/30/2010

**Approved By:**

*Kathy Heath*  
 Kathy Heath, Program Coordinator

*Antoine Pelletier*  
 Antoine Pelletier, 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.



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: 3192239CRT-001b**

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.

**Applicant:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

**Manufacturer:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

Contact: Mr. Jim Duran

Contact: Mr. Jim Duran

**Verification/Report Number:** 3184201CRT-001b

**Product Tested:** 4 pair, 23 AWG, FTP, CMR, Non-Plenum Riser, Horizontal (solid) Cable.

**Model(s) and or Brand Name:** CAA-0320R-\*\*\*

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

**Jacket marking shall include:** ETL Verified to ANSI/TIA-568-C.2 Category 6A.

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

**Date Verified:** 11/25/2009

**Date Revised:** 7/30/2010

**Approved By:**

*Kathy Heath*  
 Kathy Heath, Program Coordinator

*Antoine Pelletier*  
 Antoine Pelletier, 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.



**3933 US ROUTE 11, CORTLAND, NEW YORK 13045**

Phone Number: 1-800-345-3851 Fax Number: 607-758-3648

**PROJECT NO.:** 3160192-311

**DATE:** August 26, 2008

**REPORT NO.:** 3160192CRT-001b

**RENDERED TO:**

Molex  
2222 Wellington Court  
Lisle, IL 60532

**TEST:**

Performance testing of 100  $\Omega$ , 4 Pair Telecommunications Cable to the proposed requirements of ISO/IEC 11801 for Augmented Category 6 Cable.

**STATEMENT OF LIMITATIONS:**

At the client's request, the purpose of this report is to provide electrical performance data on the test sample. It is not valid to use this report for any other purpose.

**STANDARDS USED:**

ISO/IEC 11801, IT- Cabling for Customer Premises

IEC 60189-1 Amendment 3, Low-Frequency cables and wires with PVC insulation and PVC sheath

IEC 61156-1, Multicore and Symmetrical Pair/Quad Cables for Digital Communications

Proposed limits of IEC 61156-5 for Category 6A cables

**AUTHORIZATION:**

The project was authorized by Mr. Jim Duran, representing the client, Molex, with purchase order number 4958428.

**SPECIMEN DESCRIPTION:**

The client supplied 700 meters of a 4 pair, 23 AWG, U/FTP, LSOH, Horizontal (Solid) Telecommunications Cable, identified as part number CAA-0321\*-.\*\*. The sample was received on August 13, 2008 and was in good condition.

**DATE OF TEST:**

August 25, 2008

---

This report 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 report. Only the Client is authorized to copy or distribute this report and then only in its entirety. 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 in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



**TEST REPORT REVISION HISTORY:**

First Issue: August 26, 2008 Original Document

**EQUIPMENT LIST:**

The following equipment was employed in conducting the tests.

<u>Equipment Used</u>	<u>Model Number</u>	<u>Serial Number</u>	<u>Calibration Date</u>
Hewlett Packard Automatic Cable Test System	HP46152A	3903U01003	03/06/2008

**RESULTS:** See appendixes A and B for the test results

**CONCLUSION:**

The telecommunications cable, as previously described and supplied by the client, was tested in accordance with the standard listed herein, and did comply with the indicated applicable transmission requirements. The testing was performed at Intertek located in Cortland, New York.

These procedures and requirements were taken from the standards referred to on page 1.

Reviewed and Approved By:

Antoine Pelletier  
Engineer  
Global Cabling Products Testing

John Cash  
Technician  
Global Cabling Products Testing

Kathy Heath  
Program Administrator  
Global Cabling Products Testing



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: 3166870CRT-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.

**Applicant:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

**Manufacturer:**

Molex Premise Networks  
 2222 Wellington Court  
 Lisle, IL 60532

Contact: Mr. Dave Harney

Contact: Mr. Dave Harney

**Verification/Report Number:** 3122572CRT-002

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

**Model(s) and or Brand Name:** CAA-0322L-VL and CAA-0322C-08

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

**Jacket marking shall include:** ETL Verified to TIA/EIA-568-C.2 Category 6A.

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

**Date Verified:** 11/12/2008

**Date Revised:** 7/30/2010

**Approved By:**

*Kathy Heath*  
 Kathy Heath, Program Coordinator

*Antoine Pelletier*  
 Antoine Pelletier, 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.