

Excel Third Party Verification Pack

Excel is a world-class premium performing end-to-end infrastructure solution
- designed, manufactured, supported and delivered - without compromise.

www.excel-networking.com

excel
without compromise.



Introducing Excel

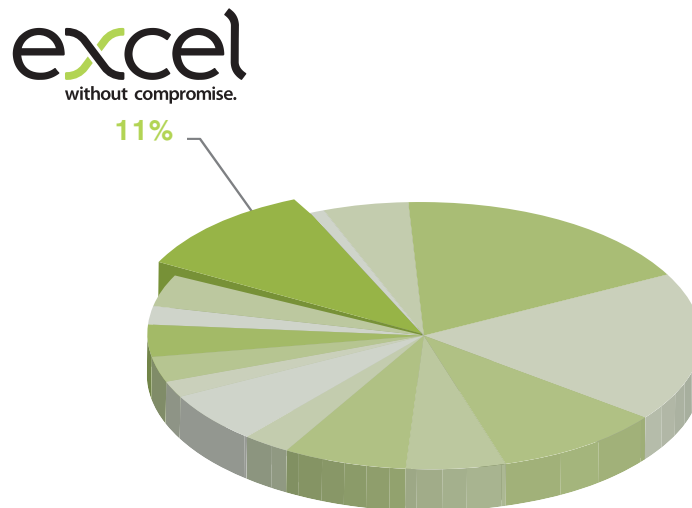
Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Excel offers one of the market's most comprehensive range of products, including:

- Category 5e U/UTP and F/UTP
- Category 6 U/UTP and F/UTP
- Category 6_A U/UTP, U/FTP and F/FTP
- Intelligent Infrastructure Management
- Multi and Singlemode optical fibre cabling systems
- Blown Fibre Optic Cabling Systems
- MTP high density pre-terminated fibre systems
- Voice cabling and accessories
- Wall and floor standing cabling cabinets
- Standard, Modular and Managed Power Distribution Units (PDU's)
- Server cabinets

Welcome to the Excel Third Party Verification Pack

Since its launch in 1997, Excel has enjoyed formidable growth. In the 2011 BSRIA market research report for the UK, Excel was listed as the number 3 structured cabling system by market share, in 2010. Excel is now sold in over 28 countries across EMEA with customers supported by Excel offices in the UK and Dubai.



Source: BSRIA 2011

The meteoric rise of the brand reflects a growing demand throughout EMEA for a reliable, standards compliant, readily available, structured cabling and rack system. Excel is able to deliver this mix as a result of strict European quality assurance and a growing base of distributors and integrators across EMEA, which combine to make the brand an increasingly viable option. With a focus on independent testing and a full 25 year product and application warranty, when installed by an Excel Partner, it's easy to see why this is the system of choice in many government, education and commercial installations.

What is Third Party Verification?

Third party verifications are an independent 'tick in the box', verifying either a product or a set of products' compliance with a particular standard.

Excel has invested in such test and verification programmes for over 10 years, working closely with laboratories such as Delta and 3P based in Denmark, and ETL in America.

What's the difference between Component and Channel verification?

Excel Category 6 and Category 6A systems are amongst a handful in the industry with both channel and component verification.

In both cases, products are provided to the laboratory for testing to ISO and EIA/TIA cabling standards. Within these standards documents are performance requirements for both a channel, as found in most cabling installations, and for the components, which make up these channels.

So, for example, a manufacturer can provide the lab with a number of individual components – cable, keystone, patch panel, patch cord – and request that these be tested in isolation against the requirements of the standard. This is component level certification.

Alternatively the manufacturer may provide a set of these components terminated in their factory to a 4 connector channel model as typically found in the field. A review of the market will show that a reasonable number of cabling system manufacturers can provide channel compliance certificates. Channel compliance is an easier certificate to gain, as manufacturers can 'tweak' the performance of certain components to compensate for poorer performance elsewhere in the channel. For example, a cable could be designed to perform well above the standard to compensate for a keystone jack that does not meet, or marginally meets the required specification.

With component certification there is no hiding place. Each product is tested to meet the standard and this really is the ultimate performance test for a manufacturer looking to promote third party verification as a key feature of its systems' performance and quality standards.

Who is Delta?

EC VERIFIED from Delta is the ultimate independent mark of global approval for cables and connecting hardware. It guarantees that the products approved by Delta as an independent third party testing laboratory have been tested to all international relevant standards in the most exacting way, under rigorous control, and with regular inspection of the manufacturer's production quality. Some of Europe's most experienced engineers and technicians work on the products in the best equipped modern laboratories. It stands for undisputed world-wide quality assurance.

Excel Third Party Verification

Standards compliance and system performance are core to the Excel brand values. To support this Excel works closely with third party test laboratories such as Delta, ETL, and 3P.

Please note that the majority of certificates are issued annually, our website has all the current and new certificates updated on a regular basis. Please visit www.excel-networking.com

Enclosed are copies of our current 3rd party verification, references for which are below:

Excel Category 6 Product Range

Laboratory	Ref No	Compliance
Delta	2011-169	Class E unscreened 4 connector channel
Delta	2011-170	Class E unscreened 6 connector channel
Delta	2011-173	Category 6 unscreened cable - LSOH
Delta	2011-076	Category 6 unscreened patch leads - LSOH
Delta	2011-174	Category 6 unscreened cable (U/UTP)
Delta	2011-087	Category 6 screened angled keystone jack
Delta	2011-224	Category 6 screened toolless keystone jack
ETL	3187559CRT-001	Category 6 unscreened keystone jack outlet
ETL	3188590CRT-001c	Category 6 unscreened keystone jack toolless

Excel Category 6_A Product Range

Delta	2011-172	Class E _A screened 4 connector channel
Delta	2011-027	Category 6 _A screened cable - LSOH
Delta	2011-028	Category 6 _A dual screened cable - LSOH
Delta	2010-262	Category 6 _A screened cable (U/FTP)
Delta	2011-088	Category 6 _A screened toolless jack
Delta	2011-140	Category 6 _A screened IDC jack and patch panel frame
Delta	2011-171	Class E _A unscreened 4 connector channel
Delta	2010-276	Category 6 _A unscreened cable (U/UTP)
Delta	2011-236	Category 6 _A unscreened IDC jack and patch panel frame



We help ideas meet the real world



Compliance Statement

No. 2010-029

Screened Connecting Hardware, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Check - is the certificate issued in the name of the system you are purchasing.

Product description

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

Check - is the Part Code shown the part you are purchasing.

Product identification

100-180

Check - has the product been tested to the current & relevant standards.

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2nd edition:2002
- FDAM ISO/IEC 11801 amendment 2:2009
- EN 50173:2007
- ANSI/TIA-568-C.2, Cat. 6A
- Draft IEC 60603-7-51 (screened)
(including all connecting hardware alien crosstalk (PS ANEXT and PS AFEXT) parameters)

Technical report

DELTA-N312549-01, rev. 1, DANAK-19J2023

Manufacturer code

2034C

Certificate valid until

25 March 2011

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Check - Regular maintenance schedules ensure ongoing Third Party "Check Ups"

Hørsholm, 23 February 2010

Erik Bech

Erik Bech
Test Manager

Claude Videt

Claude Videt
Project Manager

Check - is certificate valid.

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-169

Unscreened Channel, Class E

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Channel Identification (4 connector model)

Horizontal Cable:

Excel 4 pair LS0H U/UTP cable, part code 100-071

Flexible Patch Cords:

Excel 4 pair LS0H U/UTP patch cords, part codes 100-310 1 meter, 100-312 3 metre

Wall Outlet:

Excel Keystone Jack, part code 100-011-BK

Patch Panel:

Excel Keystone Jack, for mounting in patch panel frame, part code 100-011-BK

Generic cabling standards– Class E channel requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- EN 50173-1:2011
- EN 50173-2:2007, including amendment A1:2010
- ANSI/TIA-568-C.2:2009

Technical report

DELTA-N312999-01, DANAK-19J2505

EC Cabling Product ID

5140

Certificate valid until

13 August 2012

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 use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a sample test of the product once a year.

Hørsholm, 13 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-170

Unscreened Channel, Class E

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Channel Identification (6 connector model)

Horizontal Cable:

Excel 4 pair LS0H U/UTP cable, part code 100-071

Flexible Patch Cords:

Excel 4 pair LS0H U/UTP patch cords, part codes 100-310 1 meter, 100-312 3 metre

Wall Outlet:

Excel Keystone Jack, part code 100-011-BK

Patch Panel:

Excel Keystone Jack, for mounting in patch panel frame, part code 100-011-BK

Generic cabling standards– Class E channel requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- EN 50173-1:2011
- EN 50173-2:2007, including amendment A1:2010
- ANSI/TIA-568-C.2:2009

Technical report

DELTA-N312999-02, DANAK-19J2506

EC Cabling Product ID

5141

Certificate valid until

13 August 2012

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 use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a sample test of the product once a year.

Hørsholm, 13 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-173

Data communication cable, Category 6

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Unscreened cable (U/UTP) characterised up to 250 MHz
Horizontal floor wiring cable, 100 Ω
4 twisted pairs
Flame retardant, halogen free

Product identification

100-071

Generic cabling and cabling components standards - Category 6 cable requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- IEC 61156-5:2009 (Ed. 2.0)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- EN 50288-6-1:2003
- ANSI/TIA-568-C.2:2009
-

Standards for flame retardancy

- IEC 60332-1-1:2004
- IEC 60332-1-2:2004

Technical report

DELTA-N313010-01, DANAK-19J2516

EC Cabling product ID

5168

Certificate valid until

20 July 2012

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 14 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-076

Data communication cords, Category 6

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Unscreened Category 6 RJ45 cords (equipment, patch, and work area) characterised up to 250 MHz

Product identification

100-3xx & 100-4xx (xx denotes the length and colour)

Generic cabling standards, cabling components standard

ISO/IEC 11801 2nd edition:2002
ISO/IEC 11801 amendment 2:2010
EN 50173-[1,2]:2007
EN 50173-1 final draft FprAB:2010
EN 50173-2 final draft FprAA:2010
ANSI/TIA-568-C.2
IEC 61935-2 (transmission requirements)

Technical report

DELTA-N312943-02, DANAK-19J2439

Certificate valid until

5 April 2012

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that EC Cabling performs a sample test of the product once a year.

Hørsholm, 5 April 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-174

Data communication cable, Category 6

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Unscreened cable (U/UTP) characterised up to 250 MHz
Horizontal floor wiring cable, 100 Ω
4 twisted pairs
Flame retardant, PVC jacket

Product identification

100-070

Generic cabling and cabling components standards - Category 6 cable requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- IEC 61156-5:2009 (Ed. 2.0)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- EN 50288-6-1:2003
- ANSI/TIA-568-C.2:2009

Standards for flame retardancy

- IEC 60332-1-1:2004
- IEC 60332-1-2:2004

Technical report

DELTA-N313010-02, DANAK-19J2517

EC Cabling product ID

5167

Certificate valid until

20 July 2012

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 14 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-087

Screened Connecting Hardware, Category 6

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

Screened Angled Category 6 RJ45 Keystone Jack characterised up to 250 MHz, 100 Ω

Product identification

100-214

Generic cabling standards, cabling components standard

ISO/IEC 11801 2nd edition:2002
ISO/IEC 11801 amendment 2:2010
EN 50173-[1,2]:2007
EN 50173-1 final draft FprAB:2010
EN 50173-2 final draft FprAA:2010
ANSI/TIA-568-C.2:2009
IEC 60603-7-5

Technical report

DELTA-N312816-01, DANAK-19J2317

Certificate valid until

15 April 2012

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Hørsholm, 15 April 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-224

Connecting Hardware, Category 6

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Excel Screened Category 6 RJ45 Toolless Keystone Jack characterised up to 250 MHz, 100 Ω

Product identification

100-210

Generic cabling and cabling components standards - Category 6 connector requirements

- ISO/IEC 11801:2011 (Ed. 2.2)
- IEC 60603-7-5:2010 (Ed. 2.0)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568-C.2:2009

Technical report

DELTA-N313026, DANAK-19J2567

EC Cabling product ID

5217

Certificate valid until
26 August 2012

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Hørsholm, 26 August 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



CERTIFICATE OF CONFORMANCE

This authorizes the application of the ETL Verified Mark shown below to the models described in the Product Description section when made in accordance with the conditions set forth in the Verification Agreement and Qualification Testing Report.

Certificate Number: 3187559CRT-001

Applicant:

Excel
Excel House
Junction Six Industrial Park, Electric Avenue
Birmingham B6 7JJ, UK

Contact: Mr. Jason Rudge

Report No.: 3182869CRT-002a

Product Description:

Cat. 6 RJ45 connecting hardware, part number 100-011

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in ANSI/TIA-568-B.2-1 Category 6.

This certificate, supported by your participation in the ETL Hardware Verification Program, is authorization to apply the ETL Verification Mark. Product package marking shall include: ETL Verified to: ANSI/TIA-568-B.2-1, Category 6 and the Sample Part Number. The ETL Verified Logo may also appear on the product.

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

Date ETL Verified: 8/11/2009

Certificate Issued By:

Kathy Heath
Kathy Heath, Program Administrator

Antoine Pelletier
Antoine Pelletier, Engineer

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 or (607) 758-6641 Fax Number: (607) 758-6637



Intertek

CERTIFICATE OF CONFORMANCE

This authorizes the application of the ETL Verified Mark shown below to the models described in the Product Description section when made in accordance with the conditions set forth in the Verification Agreement and Qualification Testing Report.

Certificate Number: 3188590CRT-001c

Applicant:

Excel
Excel House
Junction Six Industrial Park, Electric Avenue
Birmingham B6 7JJ, UK

Manufacturer:

Excel
Excel House
Junction Six Industrial Park, Electric Avenue
Birmingham B6 7JJ, UK

Contact: Mr. Jason Rudge

Mfg. Contact: Mr. Jason Rudge

Report No.: 3180796CRT-001g

Product Description:

Category 6 Keystone Jack part number 100-211 and 100-212

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in ANSI/TIA-568-B.2-1 Category 6.

This certificate, supported by your participation in the ETL Hardware Verification Program, is authorization to apply the ETL Verification Mark. Product package marking shall include: ETL Verified to: ANSI/TIA-568-B.2-1, Category 6 and the Sample Part Number. The ETL Verified Logo may also appear on the product.

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

Date ETL Verified: 9/15/2009

Certificate Issued By: Kathy Heath
Kathy Heath, Program Administrator

Antoine Pelletier
Antoine Pelletier, Engineer

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 or (607) 758-6641 Fax Number: (607) 758-6637



We help ideas meet the real world



Compliance Statement

No. 2011-172

Screened Channel, Class E_A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Channel Identification (4 connector model)

Horizontal cable:

Excel Category 6A F/FTP Cable 4PR 23AWG LS0H part number 100-150

Patch Cords:

Excel Category 6A F/FTP Patch Cord LS0H, part number 100-149 and 100-154

Telecommunication Outlet:

Excel Category 6A screened tool-less Keystone Jack, part number 100-180

Patch Panel:

Excel Category 6A screened tool-less Jack Patch Panel, part numbers 100-028 (Patch Panel frame) + 100-180 (tool-less Keystone Jack)

Generic cabling standards– Class E_A channel requirements

ISO/IEC 11801:2011 (Ed. 2.2)

EN 50173-1:2011

EN 50173-2:2007, including amendment A1:2010

ANSI/TIA-568-C.2:2009

including all channel alien crosstalk parameters (PS ANEXT and PS AACR-F)

Technical report

DELTA-N312999-04, DANAK-19J2511

EC Cabling Product ID

5347

Certificate valid until

13 August 2012

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 use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a sample test of the product once a year.

Hørsholm, 13 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00

Fax +45 72 19 40 01

www.madebydelta.com/cable



TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-027

Data communication cable, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

Screened cable (F/FTP) characterised up to 500 MHz
Horizontal floor wiring cable, 100 Ω
4 foil screened twisted pairs with overall foil screen
Flame retardant, halogen free

Product identification

100-150

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02
- ISO/IEC 11801 amendment 2:2010
- EN 50173-[1,2]:2007
- EN 50173-1 final draft FprAB:2010
- EN 50173-2 final draft FprAA:2010
- ANSI/TIA-568-C.2

Standard for flame retardancy

- IEC 60332-1-[1,2] (2004-07)

Technical report

DELTA-N312834-02, DANAK-19J2347

Manufacturer code

2200B

Certificate valid until

24 February 2012

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 24 February 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-028

Data communication cable, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

Screened cable (F/FTP) characterised up to 500 MHz
Horizontal floor wiring cable, 100 Ω
2x4 foil screened twisted pairs with overall foil screen
Flame retardant, halogen free

Product identification

100-195

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02
- ISO/IEC 11801 amendment 2:2010
- EN 50173-[1,2]:2007
- EN 50173-1 final draft FprAB:2010
- EN 50173-2 final draft FprAA:2010
- ANSI/TIA-568-C.2

Standard for flame retardancy

- IEC 60332-1-[1,2] (2004-07)

Technical report

DELTA-N312834-03, DANAK-19J2348

Manufacturer code

2200BB

Certificate valid until

24 February 2012

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 24 February 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2010-262

Data communication cable, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

Shielded cable (U/FTP) characterised up to 500 MHz
Horizontal floor wiring cable, 100 Ω
4 foil shielded twisted pairs
Flame retardant, halogen free

Product identification

100-192

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02
- ISO/IEC 11801 amendment 2:2010
- EN 50173:2007
- ANSI/TIA-568-C.2

Standard for flame retardancy

- IEC 60332-1-[1,2] (2004-07)

Technical report

DELTA-N312857, DANAK-19J2349

Manufacturer code

2349B

Certificate valid until

19 October 2011

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 19 October 2010

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-088

Screened Connecting Hardware, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

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

Product identification

100-180

Generic cabling standards, cabling components standard

ISO/IEC 11801 2nd edition:2002
ISO/IEC 11801 amendment 2:2010
EN 50173-[1,2]:2007
EN 50173-1 final draft FprAB:2010
EN 50173-2 final draft FprAA:2010
ANSI/TIA-568-C.2:2009
IEC 60603-7-51
(including all connecting hardware alien crosstalk (PS ANEXT and PS AFEXT) parameters)

Technical report

DELTA-N312816-03, DANAK-19J2319

Certificate valid until

15 April 2012

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Hørsholm, 15 April 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-140

Connecting Hardware, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Product description

Screened Category 6A RJ45 Jack and Patch Panel characterised up to 500 MHz, 100 Ω

Product identification

Cat.6A Jack. Part number 100-185
Cat.6A Panel. Part number 100-024

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

- ISO/IEC 11801:2002 (Ed. 2.0), including amendments A1:2008 and A2:2010
- IEC 60603-7-51:2010
- 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 ANEX and PS AFEXT)

Technical report

DELTA-N312816-03, DANAK-19J2319

Product identification

5400

Certificate valid until

6 July 2012

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Hørsholm, 7 June 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-171

Unscreened Channel, Class E_A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham, B6 7JJ
United Kingdom

Channel Identification (4 connector model)

Horizontal cable:

Excel Category 6A U/UTP Cable 4PR 23AWG LS0H part number 100-190

Flexible Patch Cord:

Excel Category 6A U/UTP Patch Cord LS0H part number 100-5XX

Telecommunication Outlet:

Excel Category 6A unscreened keystone jack part number 100-156

Patch Panel:

Excel Category 6A unscreened keystone jack patch panel part number 100-032
(patch panel frame + 100-156 keystone jack)

Generic cabling standards– Class E_A channel requirements

ISO/IEC 11801:2011 (Ed. 2.2)

EN 50173-1:2011

EN 50173-2:2007, including amendment A1:2010

ANSI/TIA-568-C.2:2009

including all channel alien crosstalk parameters (PS ANEXT and PS AACR-F)

Technical report

DELTA-N312999-03, DANAK-19J2510

EC Cabling Product ID

5290

Certificate valid until

13 August 2012

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 use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that DELTA EC Cabling performs a sample test of the product once a year.

Hørsholm, 13 July 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2010-276

Data communication cable, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Unshielded cable (U/UTP) characterised up to 500 MHz
Horizontal floor wiring cable, 100 Ω
4 twisted pairs
Flame retardant, halogen free

Product identification

100-190

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2nd edition:2002 and IEC 61156-5: Edition 2.0 2009-02
 - ISO/IEC 11801 amendment 2:2010, Category 6A
 - EN 50173:2007
 - ANSI/TIA-568-C.2, Category 6A
- Including alien crosstalk parameters, PS ANEXT and PS AFEXT)

Standard for flame retardancy

- IEC 60332-1-[1,2] (2004-07)

Technical report

DELTA-N312863, DANAK-19J2358

Manufacturer code

2358B

Certificate valid until

2 November 2011

This product has been tested by EC Cabling Group of DELTA and complies with the requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", DQP231006. The product takes part in a maintenance of certification schedule, which implies that 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.

Hørsholm, 2 November 2010

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

Tel. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk/cable



DANAK
TEST Reg. no. 19



We help ideas meet the real world



Compliance Statement

No. 2011-236

Connecting Hardware, Category 6A

Company

Excel
Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
United Kingdom

Product description

Unscreened Category 6A RJ45 Jack and Patch Panel characterised up to 500 MHz, 100 Ω

Product identification

Cat. 6A Jack. Part number: 100-156
Cat. 6A Panel. Part number: 100-026

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

- ISO/IEC 11801:2011 (Ed. 2.2)
- IEC 60603-7-41:2010
- 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-N313037, DANAK-19J2579

EC Cabling product ID

5257

Certificate valid until

4 October 2012

This product has been tested by EC Cabling Group of DELTA and complies with the electrical requirements of the above specified standards and "Terms and conditions for use of the EC VERIFIED marking on generic cabling products", 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.

Hørsholm, 4 October 2011

Erik Bech
Test Manager

Claude Videt
Project Manager

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark

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



TEST Reg. no. 19



European Headquarters

Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
England

T: +44 (0)121 326 7557

F: +44 (0)121 327 1537

E: sales@excel-networking.com

Middle East & Africa Headquarters

PO Box 293695
Office 832, Building 6WB
Dubai Airport Free Zone
Dubai
UAE

T: +971 4 7017987

F: +971 4 7017989

E: salesme@excel-networking.com

Asia Pacific Headquarters

29th Floor
Wing On Centre
111 Connaught Road Central
Hong Kong

T: +852 3065 7006

F: +852 3065 7004

E: salesfe@excel-networking.com



Certificate No. FS 547274



Certificate No. EMS 542863



Printed on paper made from 75% recycled fibres