

## Third Party Approval Pack



### About us

Brand-Rex is an established Manufacturing Company designing and Manufacturing structured wiring products from an ISO 9001 & 14001 accredited facility in Glenrothes, Scotland. Brand-Rex's philosophy is to design and make cabling systems and components which are compliant with international standards to ensure that they are fit for use in the open cabling market.

The Brand-Rex products set are premium quality, high performance, future proof, cabling systems. At system level they are designed to be compliant with:

- IEC 11801:2002 and amendments 1 & 2
- CENELEC 50173-1:2011
- ANSI/EIA/TIA 568C series

The Company ensures that its products meet and exceed the demands of the appropriate standards at cable and component level. It achieves the performance levels by design, the cables and components are designed by a dedicated engineering team, with over 150 years design experience, located at the main manufacturing site in Glenrothes, Scotland. The Company's operational systems ensure that the performance and quality of the production product is maintained.

### Third Party Approvals

Brand-Rex use independent 3<sup>rd</sup> party certification of its products as a further assurance for our customers that the products meet the international standards. We have been approving cables & components with test houses for over 20 years, building strong working relationships and mutual respect, these test houses include:

3P, Hørsholm, Denmark,	<a href="http://www.3ptest.dk">www.3ptest.dk</a>
Delta, Hørsholm, Denmark	<a href="http://www.delta.dk">www.delta.dk</a>
GHMT, Bexbach, Germany.	<a href="http://www.ghmt.de">www.ghmt.de</a>

Whilst independent approval gives the end user greater confidence in the cable, component or cabling system they choose to install, the performance and quality is assured by Brand-Rex and its operations.

Note: Brand-Rex understand the status of the standards and the changing details of the specifications through active participation in standards committees. The Company has a philosophy of releasing its products ahead of the publication of international standards with high performance levels designed in (standards levels are a minimum agreed requirement) to ensure that when installed the products meet the performance requirements demanded in the field.

Brand-Rex are officially a Carbon Neutral Company, we offset our carbon emissions as part of our commitment to reducing the environmental impact of our operations. This is certified by the Carbon-clear organisation.

Environmental Management System



**CERTIFICATE OF APPROVAL**

This is to certify that the Environmental Management System of:

**Brand-Rex  
Glenrothes, Fife  
United Kingdom**

has been approved by Lloyd's Register Quality Assurance  
to the following Environmental Management System Standard:

**ISO 14001: 2004**

The Environmental Management System is applicable to:

**Design and manufacture of copper and optical structured  
cabling and customer specific solutions. Design and  
supply of structured cabling components.**

Approval  
Certificate No: LRQ 0772082

Original Approval: 30 October 1998

Current Certificate: 1 November 2010

Certificate Expiry: 31 October 2013

Issued by: Lloyd's Register Quality Assurance Limited



This document is subject to the provision on the reverse  
71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370  
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.  
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001  
Marked Version 1.8

Quality Management System



**CERTIFICATE OF APPROVAL**

This is to certify that the Quality Management System of:

**Brand-Rex Ltd  
Glenrothes, Fife  
United Kingdom**

has been approved by Lloyd's Register Quality Assurance  
to the following Quality Management System Standards:

**ISO 9001:2008**

The Quality Management System is applicable to:

**The design and manufacture of copper and optical  
structured cabling and customer specific solutions.  
Design and supply of structured cabling components.**

Approval  
Certificate No: LRQ 0860280

Original Approval: 14 August 1986

Current Certificate: 1 August 2010

Certificate Expiry: 31 July 2013

Issued by: Lloyd's Register Quality Assurance Limited



001

This document is subject to the provision on the reverse  
71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370  
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.  
The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001  
Marked Version 1.0



Carbon Neutral



**Product Approvals for Class EA/Category 6A**

Note: Class EA was standardised in 2010

Class EA/Category 6A (10GPlus product range)			
Product	Certificate No.	Test House	Page
<b>Screened</b>			
4 connector channel – AC6 shielded jacks, AC6 S/FTP cables and AC6 patch cords	ac111749	3P	7
4 connector channel – AC6 shielded jacks, AC6 S/FTP cables and AC6 patch cords	2010-131	Delta	8
4 connector channel – AC6 shielded jacks, AC6 F/FTP cable and AC6 patch cords	ac111748	3P	9
4 connector channel – AC6 shielded jacks , AC6 U/FTP cable and AC6 patch cords	ac111745	3P	10
4 connector channel – AC6 shielded jacks (CR), AC6 U/FTP cable and AC6 patch cords	ac108582	3P	11
4 connector channel – AC6 shielded jacks, AC6 DCZ ‘zone’ cable and AC6 patch cords	2010-160	Delta	12
3 connector permanent link – AC6 shielded jacks and AC6 S/FTP cables	ac111751	3P	13
3 connector permanent link – AC6 shielded jacks and AC6 F/FTP cables	ac111750	3P	14
3 connector permanent link – AC6 shielded jacks and AC6 U/FTP cables	ac111744	3P	15
3 connector permanent link – AC6 shielded jacks and AC6 DCZ ‘zone’ cables	ac111747	3P	16
2 connector permanent link – AC6 shielded jacks (CR) and AC6 U/FTP cables	ac108581	3P	17
AC6 patch cords	z2600a-11-E	GHMT	18
AC6 shielded jack	z2392a-10-E	GHMT	19
AC6 S/FTP cable	cs111604 *	3P	20
AC6 F/FTP cable	cs111603 *	3P	21
AC6 U/FTP cable	cs111602 *	3P	22
AC6 DCZ ‘zone’ cable	cs110491 *	3P	23
<b>Unscreened</b>			
4 connector channel – AC6 UTP jacks, AC6 U/UTP cable and AC6 patch cords	2010-198	Delta	24
2 connector permanent link – AC6 UTP jacks and AC6 U/UTP cables	ac110685	3P	25
AC6 patch cords (repeated in the screened section)	z2600a-11-E	GHMT	26
AC6 U/UTP cable	cs109480 *	3P	27
AC6 UTP jack (tool-free)	ac110698	3P	28

\* These are continuously maintained approvals by the test house – these products are reliability critical in installations and approval is maintained to assure performance levels.

Unless otherwise specified, all cables are finished in an LSOH jacket and the cables conform to IEC60332-1-2, IEC60754-1 & IEC61034-2

4 connector channel - AC6 shielded jacks, AC6 S/FTP cables and AC6 patch cords



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Four Connector Channel

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Attestation of Conformity No. 111749*

*This type of Class E<sub>A</sub> / Category 6A screened four connector channel has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested channel samples in T568B configuration, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cables, Qualification Status:</i>	<i>P/N AC6S/FTP-HF1 P/N AC6S/FTP-Patch-HF1 and P/N AC6-DCZ 3P Verified Horizontal and "DCZ" Flexible Cable Manufacturer Verified "S/FTP" Flexible Cable P/N AC6JAKS000 rev D having PCB marking Brand-Rex 2010 11868 Rev2 0810 Manufacturer Verified P/N AC6CPG050 HBS Manufacturer Verified P/N AC6PCG050 Manufacturer Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack, Qualification Status:</i>	
<i>Consolidation Cord:</i>	<i>With 10,0 m Flexible Cable, Qualification Status:</i>	
<i>Patch Cord:</i>	<i>5,0 m, Qualification Status:</i>	

Hoersholm, 15<sup>th</sup> June 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 15<sup>th</sup> June 2011

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

4 connector channel - AC6 shielded jacks, AC6 S/FTP cables and AC6 patch cords (2<sup>nd</sup> test house)

We help ideas meet the real world



# Compliance Statement

No. 2010-131

## Screened Channel, Class E<sub>A</sub>

**Company**  
Brand-Rex Ltd  
Viewfield Industrial Estate  
Glenrothes,  
Fife KY6 2RS  
United Kingdom

### Channel Identification (4 connector model)

**Horizontal cable:** AC6 S/FTP-HF1

**CP link:** AC6CPG100-808-HBS

**Connecting hardware:** AC6JAKS000 Rev A

**Patch cords:** AC6PCG050-888HB Rev A  
AC6PCG030-888HB Rev A  
AC6PCG020-808-HBS

### Generic cabling standards, cabling components standard

- ISO/IEC 11801 2<sup>nd</sup> edition:2002
- ISO/IEC 11801 amendment 1:2008
- EN 50173:2007
- ANSI/TIA-568-C.2

**Technical report**  
DELTA-N312769-04, DANAK-19J2267

**Manufacturer code**  
2267A

**Certificate valid until**  
15 July 2011

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, 15 June 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



4 connector channel – AC6 shielded jacks, AC6 F/FTP cable and AC6 patch cords



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Four Connector Channel

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 111748*

*This type of Class E<sub>A</sub> / Category 6A screened four connector channel has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested channel samples in T568B configuration, and consisting of the following Brand-Rex components:*

*Cables:*

*Horizontal Cable,  
Flexible Cables,  
Qualification Status:*

*P/N AC6F/FTP-HF1  
P/N AC6S/FTP-Patch-HF1 and P/N AC6-DCZ  
3P Verified Horizontal and "DCZ" Flexible Cable  
Manufacturer Verified "S/FTP" Flexible Cable  
P/N AC6JAKS000 rev D  
having PCB marking Brand-Rex 2010 11868 Rev2 0810  
Manufacturer Verified  
P/N AC6CPG050 HBS  
Manufacturer Verified  
P/N AC6PCG050  
Manufacturer Verified*

*Conn. Hardware:*

*Modular Jack,*

*Consolidation Cord:*

*Qualification Status:  
With 10,0 m Flexible Cable,  
Qualification Status:*

*Patch Cord:*

*5,0 m,  
Qualification Status:*

Hoersholm, 15<sup>th</sup> June 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 15<sup>th</sup> June 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

4 connector channel – AC6 shielded jacks, AC6 U/FTP cable and AC6 patch cords



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Four Connector Channel

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 111745*

*This type of Class E<sub>A</sub> / Category 6A screened four connector channel has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested channel samples in T568B configuration, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cables, Qualification Status:</i>	<i>P/N AC6U/FTP-HF1 P/N AC6S/FTP-Patch-HF1 and P/N AC6-DCZ 3P Verified Horizontal and "DCZ" Flexible Cable Manufacturer Verified "S/FTP" Flexible Cable P/N AC6JAKS000 rev D having PCB marking Brand-Rex 2010 11868 Rev2 0810 Manufacturer Verified P/N AC6CPG050 HBS Manufacturer Verified P/N AC6PCG050 Manufacturer Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack,  Qualification Status:</i>	
<i>Consolidation Cord:</i>	<i>With 10.0 m Flexible Cable, Qualification Status:</i>	
<i>Patch Cord:</i>	<i>5.0 m, Qualification Status:</i>	

Hoersholm, 15<sup>th</sup> June 2011

Hoersholm, 15<sup>th</sup> June 2011

*Ole Lambertsen*

*Paul Villien*

Ole Lambertsen  
Test Responsible

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

4 connector channel – AC6 shielded jacks (CR), AC6 U/FTP cable and AC6 patch cords



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Four Connector Channel

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 108582*

*This type of Class E<sub>A</sub> / Category 6A screened four connector channel has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendment 1 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 2 to 2<sup>nd</sup> Edition ISO/IEC 11801 (Draft 25N 1513), and amendment 1 to CENELEC EN 50173-1:2007 (Draft EN 50173-1 prAA June 2008), and Category 6A requirements of ANSI/TIA/EIA-568-B.2-10. The Attestation of Conformity is only valid for the actually tested channel samples in T568B configuration and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cables from Cords, Qualification Status:</i>	<i>P/N AC6U/FTP-HF1 P/N AC6PCG030 and P/N AC6-DCZ CP Manufacturer verified</i>
<i>Conn. Hardware:</i>	<i>Keystone Jack, Qualification Status:</i>	<i>P/N AC6JAKS000CR having PCB Marking M 25 Manufacturer Verified</i>
<i>Cords:</i>	<i>2,0 m Equipment Cord, 2,4 m Consolidation Cord Qualification Status:</i>	<i>P/N AC6PCG030 P/N AC6-DCZ CP Manufacturer Verified</i>

Hoersholm, 14 October 2008

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible



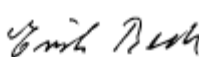



Hoersholm, 14 October 2008

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

4 connector channel – AC6 shielded jacks, AC6 DCZ ‘zone’ cable and AC6 patch cords

	
<p>We help ideas meet the real world</p>	
<h1 style="text-align: center;">Compliance Statement</h1>	
<p>No. 2010-160</p>	
<h2>Screened Channel, Class E<sub>A</sub></h2>	
<p>Channel for data centers. Maximum length of channel 67 m</p>	
<p><b>Company</b>              Brand-Rex Ltd              Viewfield Industrial Estate              Glenrothes,              Fife KY6 2 RS              United Kingdom</p>	
<p><b>Channel Identification (4 connector model)</b></p>	
Horizontal cable:	AC6-DCZ U/STP cable
Connecting hardware:	AC6JAKS000 Rev A
Patch cords:	AC6PCG050-888HB Rev A AC6PCG020-808-HBS
<p><b>Generic cabling standards, cabling components standard</b></p> <ul style="list-style-type: none"> <li>• ISO/IEC 11801 2<sup>nd</sup> edition:2002</li> <li>• ISO/IEC 11801 amendment 1:2008</li> <li>• EN 50173:2007</li> <li>• ANSI/TIA-568-C.2</li> </ul>	
<p><b>Technical report</b>              DELTA-N312769-05, DANAK-19J2279</p>	<p><b>Manufacturer code</b>              2279</p>
<p><b>Certificate valid until</b>              15 August 2011</p>	
<p>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.</p>	
<p>Hørsholm, 15 July 2010</p>	
 Erik Bech Test Manager	 Claude Videt Project Manager
<hr/>	
<p>DELTA              Venlighedsvej 4              2970 Hørsholm              Denmark</p>	<p>Tel. +45 72 19 40 00              Fax +45 72 19 40 01  <a href="http://www.delta.dk/cable">www.delta.dk/cable</a></p>
 	

3 connector permanent link – AC6 shielded jacks and AC6 S/FTP cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Three Connector Permanent Link

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 111751*

*This type of Class E<sub>A</sub> / Category 6A screened three connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration connected with RJ 45 plugs from Brand-Rex cord, P/N AC6PCG050, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cable, Qualification Status:</i>	<i>P/N AC6S/FTP-HF1 P/N AC6-DCZ 3P Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack, Qualification Status:</i>	<i>P/N AC6JAKS000 rev D having PCB marking Brand-Rex 2010 11868 Rev2 0810 Manufacturer Verified</i>
<i>Consolidation Cord:</i>	<i>With 5,0 m Flexible Cable, Qualification Status:</i>	<i>P/N AC6CPG050 HBS Manufacturer Verified</i>

Hoersholm, 10<sup>th</sup> June 2011

Hoersholm, 10<sup>th</sup> June 2011

*Ole Lambertsen*

*Paul Villien*

Ole Lambertsen  
Test Responsible

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



3 connector permanent link – AC6 shielded jacks and AC6 F/FTP cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Three Connector Permanent Link

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Attestation of Conformity No. 111750*

*This type of Class E<sub>A</sub> / Category 6A screened three connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration connected with RJ 45 plugs from Brand-Rex cord, P/N AC6PCG050, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cable, Qualification Status:</i>	<i>P/N AC6F/FTP-HF1 P/N AC6-DCZ 3P Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack, Qualification Status:</i>	<i>P/N AC6JAKS000 rev D having PCB marking Brand-Rex 2010 11868 Rev2 0810 Manufacturer Verified</i>
<i>Consolidation Cord:</i>	<i>With 5.0 m Flexible Cable, Qualification Status:</i>	<i>P/N AC6CPG050 HBS Manufacturer Verified</i>

Hoersholm, 10<sup>th</sup> June 2011

Hoersholm, 10<sup>th</sup> June 2011

*Ole Lambertsen*

*Poul Villien*

Ole Lambertsen  
Test Responsible

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

3 connector permanent link – AC6 shielded jacks and AC6 U/FTP cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Three Connector Permanent Link

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Attestation of Conformity No. 111744*

*This type of Class E<sub>A</sub> / Category 6A screened three connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration connected with RJ 45 plugs from Brand-Rex cord, P/N AC6PCG050, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable,</i>	<i>P/N AC6U/FTP-HF1</i>
	<i>Flexible Cable,</i>	<i>P/N AC6-DCZ</i>
	<i>Qualification Status:</i>	<i>3P Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack,</i>	<i>P/N AC6JAKS000 rev D</i>
		<i>having PCB marking Brand-Rex 2010 11868 Rev2 0810</i>
	<i>Qualification Status:</i>	<i>Manufacturer Verified</i>
<i>Consolidation Cord:</i>	<i>With 5,0 m Flexible Cable,</i>	<i>P/N AC6CPG050 HBS</i>
	<i>Qualification Status:</i>	<i>Manufacturer Verified</i>

Hoersholm, 10<sup>th</sup> June 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 10<sup>th</sup> June 2011

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

3 connector permanent link – AC6 shielded jacks and AC6 DCZ ‘zone’ cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Max. 67 m Class E<sub>A</sub> / Category 6A Three Connector Permanent Link

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

Attestation of Conformity No. 111747

*This type of Class E<sub>A</sub> / Category 6A screened three connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendments 1 and 2 to 2<sup>nd</sup> Edition ISO/IEC 11801, amendment 1 to CENELEC EN 50173-1:2009, amendment 2 to CENELEC EN 50173-1 (Draft FprAB July 2010), and Category 6A requirements of ANSI/TIA-568-C.2. Passing of attenuation requirements are limited to a three connector configuration having max. 5 m flexible and 62 m horizontal cable lengths. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration connected with RJ 45 plugs from Brand-Rex cord, P/N AC6PCG050, and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable, Flexible Cable, Qualification Status:</i>	<i>P/N AC6-DCZ P/N AC6-DCZ 3P Verified</i>
<i>Conn. Hardware:</i>	<i>Modular Jack, Qualification Status:</i>	<i>P/N AC6JAKS000 rev D having PCB marking Brand-Rex 2010 11868 Rev2 0810 Manufacturer Verified</i>
<i>Consolidation Cord:</i>	<i>With 5,0 m Flexible Cable, Qualification Status:</i>	<i>P/N AC6CPG050 HBS Manufacturer Verified</i>

Hoersholm, 24<sup>th</sup> June 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 24<sup>th</sup> June 2011

*Paul Villien*

Poul Villien  
Coordinating Manager

Independent Testing - For End User Confidence

2 connector permanent link – AC6 shielded jacks (CR) and AC6 U/FTP cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Screened Class E<sub>A</sub> / Category 6A Two Connector Permanent Link

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Attestation of Conformity No. 108581*

*This type of Class E<sub>A</sub> / Category 6A screened two connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendment 2 to 2<sup>nd</sup> Edition ISO/IEC 11801 (Draft 25N 1513) and Category 6A requirements of ANSI/TIA/EIA-568-B.2-10. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration and consisting of the following Brand-Rex components:*

<i>Cables:</i>	<i>Horizontal Cable,</i>	<i>P/N AC6U/FTP-HF1</i>
	<i>Qualification Status:</i>	<i>Manufacturer verified</i>
<i>Conn. Hardw.:</i>	<i>Keystone Jack,</i>	<i>P/N AC6JAKS000CR</i>
	<i>Qualification Status:</i>	<i>having PCB Marking M 25</i>
		<i>Manufacturer Verified</i>
<i>RJ 45 Plugs:</i>	<i>From cord,</i>	<i>P/N AC6-DCZ CP</i>
	<i>Qualification Status:</i>	<i>Manufacturer Verified</i>

Hoersholm, 9<sup>th</sup> October 2008

*Ole Lambertsen*

**Ole Lambertsen**  
Test Responsible

Hoersholm, 9<sup>th</sup> October 2008


*Paul Villien*

**Poul Villien**  
Coordinating Manager

*Independent Testing - For End User Confidence*



AC6 patch cords



**GHMT**  
Aktiengesellschaft

# Certificate

No. z2600a-11-E

**Customer:**  
 Brand-Rex Ltd.  
 Viewfield Industrial Estate  
 Glenrothes, Fife, KY6 2RS  
 United Kingdom

**Test sample(s):**

- Patchcord:  
 Brand Rex 10GPlus HF BLADE CORD  
 Part-No.: AC6PCGxxx-yyy HB

xxx = length  
yyy = colour

**Applied standard(s):**

- ISO/IEC 11801 AMD 2 (2010-04)

**Results:**


Up to a bandwidth of 500 MHz the sample meet the Category 6<sub>A</sub> limits of the specified standards and regulations.

## Patchcord, Category 6<sub>A</sub>


The test results which were determined in the course of the measurement refer to the submitted specimen. Any future technical modifications of the verified Products are subject to the responsibility of the manufacturer.


This Certificate refers to the comprehensive test report, no. P2600a-11-E, from June 29<sup>th</sup>, 2011 and shall only be applicable in conjunction with the test report.

Bexbach, June 29<sup>th</sup>, 2011



Dirk Wilhelm, engineer  
(Chairman of the Managing Board)






GHMT AG  
 In der Kolling 13  
 D-66450 Bexbach  
 Phone: +49 (0) 68 26 / 92 28 – 0  
 Fax: +49 (0) 68 26 / 92 28 – 99  
 Email: info@ghmt.de



AC6 shielded jack



**GHMT**  
Aktiengesellschaft

# Certificate

No. z2392a-10-E

**Customer:**  
Brand-Rex Ltd  
Viewfield Industrial Estate, Glenrothes, Fife  
KY6 2RS United Kingdom

**Test sample(s):**

- Connector:  
Augmented Category 6 Shielded Tool-Free Jack  
Part No.: AC6JAKS000

**Applied standard(s):**

- ISO/IEC 11801 AMD2 (2010-04)
- IEC 60603-7-51 Ed. 1 (IEC 48B/1977/CDV, 2008-12)

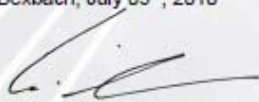
**Results:**  
Up to a bandwidth of 500 MHz the sample meet the Category 6<sub>A</sub> limits of the specified standards and regulations.

## Connector, Category 6<sub>A</sub>


The test results which were determined in the course of the measurement refer to the submitted specimen. Any future technical modifications of the verified products are subject to the responsibility of the manufacturer.


This Certificate refers to the comprehensive test report, no. P2392a-10-E, from July 09<sup>th</sup>, 2010 and shall only be applicable in conjunction with the test report.

Bexbach, July 09<sup>th</sup>, 2010



Dirk Wilhelm, engineer  
(Chairman of the Managing Board)





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Phone: +49 (0) 68 26 / 92 28 – 0  
Fax: +49 (0) 68 26 / 92 28 – 99  
Email: info@ghmt.de

AC6 S/FTP cable



# Compliance Statement

## Screened Category 6<sub>A</sub> ISO/IEC, EN & TIA Communication Cable

### Brand-Rex Identification AC6S/FTP-HF1

Category 6<sub>A</sub>, Individual Foil and Overall Braid Screened  
100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Compliance Statement No. 111604*

*This Screened ISO/IEC, EN & TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6<sub>A</sub> performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover individual foil and overall braid screened cables), 2<sup>nd</sup> edition IEC Cable Standard 61156-5 and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 22<sup>nd</sup> February 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 22<sup>nd</sup> February 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

AC6 F/FTP cable



# Compliance Statement

## Screened Category 6<sub>A</sub> ISO/IEC, EN & TIA Communication Cable

**Brand-Rex Identification AC6F/FTP-HF1**  
Category 6<sub>A</sub>, Individual Foil and Overall Foil Screened  
100 Ω, 4 Twisted Pairs, 23 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 111603*

*This Screened ISO/IEC, EN & TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6<sub>A</sub> performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover individual foil and overall foil screened cables), 2<sup>nd</sup> edition IEC Cable Standard 61156-5 and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 22<sup>nd</sup> February 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 22<sup>nd</sup> February 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

AC6 U/FTP cable



# Compliance Statement

## Screened Category 6<sub>A</sub> ISO/IEC, EN & TIA Communication Cable

**Brand-Rex Identification AC6U/FTP-HF1**  
Category 6<sub>A</sub>, Individual Foil Screened without Overall Screen  
100 Ω, 4 Twisted Pairs, 23 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Compliance Statement No. 111602*

*This Screened ISO/IEC, EN & TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6<sub>A</sub> performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft EprAB July 2010), ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover individual foil screened cables), 2<sup>nd</sup> edition IEC Cable Standard 61156-5 and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 22<sup>nd</sup> February 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 22<sup>nd</sup> February 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



AC6 DCZ 'zone' cable



# Compliance Statement

## Screened Category 6<sub>A</sub> IEC Communication Cable

### Brand-Rex Identification AC6-DCZ

Category 6<sub>A</sub>, Individual Foil Screened without Overall Screen  
100 Ω, 4 Twisted Pairs, 26 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 110491*

*This Screened IEC Communication Cable having solid conductor has been tested by 3P Third Party Testing and complies with the Category 6<sub>A</sub> performance requirements of 3<sup>rd</sup> edition IEC Cable Standard 61156-6 (modified for flex performance requirement). Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 1<sup>st</sup> March 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 1<sup>st</sup> March 2010



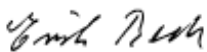



*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



4 connector channel – AC6 UTP jacks, AC6 U/UTP cable and AC6 patch cords

	
We help ideas meet the real world	
<h1 style="margin: 0;">Compliance Statement</h1>	
No. 2010-198	
<h2 style="margin: 0;">Unscreened Channel, Class E<sub>A</sub></h2>	
<p><b>Company</b>          Brand-Rex Ltd          Viewfield Industrial Estate          Glenrothes,          Fife KY6 2RS          United Kingdom</p>	
<p><b>Channel Identification (4 connector model)</b>  <b>Horizontal cable:</b> AC6U-HF1  <b>CP link:</b> AC6CPG100-808-HBS  <b>Connecting hardware:</b> AC6JAKU002 Rev B  <b>Patch cords:</b> AC6PCG050-888HB Rev A                            AC6PCG030-888HB Rev A                            AC6PCPG020-808-HBS</p>	
<p><b>Generic cabling standards, cabling components standard</b></p> <ul style="list-style-type: none"> <li>• ISO/IEC 11801 2<sup>nd</sup> edition:2002</li> <li>• ISO/IEC 11801 amendment 1:2008</li> <li>• EN 50173:2007</li> <li>• ANSI/TIA-568-C.2</li> </ul>	
<p><b>Technical report</b>          DELTA-N312769-06, DANAK-19J2312</p>	<p><b>Manufacturer code</b>          2312A</p>
<p><b>Certificate valid until</b>          16 September 2011</p>	
<p>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.</p>	
<p>Hørsholm, 16 August 2010</p>	
 Erik Bech Test Manager	 Claude Videt Project Manager
<hr/>	
<p>DELTA          Venlighedsvej 4          2970 Hørsholm          Denmark</p>	<p>Tel. +45 72 19 40 00          Fax +45 72 19 40 01          www.delta.dk/cable</p>
 	

2 connector permanent link - AC6 UTP jacks (toolless) and AC6 U/UTP cables



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Unscreened Class E<sub>A</sub> / Category 6A Two Connector Permanent Link

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 110685*

*This type of Class E<sub>A</sub> / Category 6A unscreened two connector permanent link has been tested by 3P Third Party Testing and complies with the 10 Gigabit Ethernet requirements of IEEE P802.3an, Class E<sub>A</sub> requirements of amendment 2 to 2<sup>nd</sup> Edition ISO/IEC 11801 (Draft 25 N 1645) and Category 6A requirements of ANSI/TIA-568-C.2. The Attestation of Conformity is only valid for the actually tested permanent link samples in T568B configuration and consisting of the following Brand-Rex components:*

<i>Cable:</i>	<i>Horizontal Cable,</i>	<i>P/N AC6U-HF1</i>
	<i>Qualification Status:</i>	<i>3P Verified</i>
<i>Conn. Hardw.:</i>	<i>Modular Jack,</i>	<i>P/N AC6JAKU002</i>
		<i>having PCB Marking Brand-Rex 2007 10G+ 10241 Rev3 2707</i>
		<i>and Mounted in Panel P/N MMCPNLX24SLJ2M-B</i>
	<i>Qualification Status:</i>	<i>Manufacturer Verified</i>
<i>RJ 45 Plugs:</i>	<i>From cord,</i>	<i>P/N AC6PCG050-888HB</i>
	<i>Qualification Status:</i>	<i>Manufacturer Verified</i>

Hoersholm, 18<sup>th</sup> February 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible


Hoersholm, 18<sup>th</sup> February 2010

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

AC6 patch cords



**Aktiengesellschaft**

# Certificate

No. z2600a-11-E

**Customer:**  
 Brand-Rex Ltd.  
 Viewfield Industrial Estate  
 Glenrothes, Fife, KY6 2RS  
 United Kingdom

**Test sample(s):**

- Patchcord:  
 Brand Rex 10GPlus HF BLADE CORD  
 Part-No.: AC6PCGxxx-yyy HB

xxx = length  
yyy = colour

**Applied standard(s):**

- ISO/IEC 11801 AMD 2 (2010-04)

**Results:**


Up to a bandwidth of 500 MHz the sample meet the Category 6<sub>A</sub> limits of the specified standards and regulations.

## Patchcord, Category 6<sub>A</sub>


The test results which were determined in the course of the measurement refer to the submitted specimen. Any future technical modifications of the verified Products are subject to the responsibility of the manufacturer.


This Certificate refers to the comprehensive test report, no. P2600a-11-E, from June 29<sup>th</sup>, 2011 and shall only be applicable in conjunction with the test report.

Bexbach, June 29<sup>th</sup>, 2011



Dirk Wilhelm, engineer  
(Chairman of the Managing Board)





**GHMT AG**  
 In der Kolling 13  
 D-66450 Bexbach  
 Phone: +49 (0) 68 26 / 92 28 – 0  
 Fax: +49 (0) 68 26 / 92 28 – 99  
 Email: info@ghmt.de

AC6 U/UTP cable



# Compliance Statement

## Unscreened Category 6<sub>A</sub> ISO/IEC, EN & TIA/EIA Communication Cable

### Brand-Rex Identification AC6U-HF1

Category 6<sub>A</sub>, Unscreened  
100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 109480*

*This Unscreened ISO/IEC, EN & TIA/EIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6<sub>A</sub> performance requirements of draft amendment 2 to 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801 (25 N 1645) and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, the Category 6A requirements of ANSI/TIA Generic Cabling Standard 568-C.2, and the requirements of draft CENELEC Cable Standard prEN 50288-10:2009. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 6. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 4<sup>th</sup> November 2009

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 4<sup>th</sup> November 2009

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

AC6 UTP jack (tool-free)



# Attestation of Conformity

## Unscreened Category 6A TIA Connecting Hardware

**Brand-Rex Identification, P/N AC6JAKU002**

**Category 6A, Unscreened, Modular Jack  
Electrical Transmission Performance**

**Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland**

*Attestation of Conformity No. 110698*

*This Unscreened TIA Connecting Hardware having board identification "Brand-Rex 2007 10G+ 10241 Rev3 2707" has been tested by 3P Third Party Testing and complies with the Category 6A transmission requirements of ANSI/TIA Generic Cabling Standard 568-C.2 and IEC 60512-27-100 (draft 48B/2060/CD). The requirements are passed using the complete specified re-embedded range of RJ 45 plug vectors and with the modular jacks mounted in Brand-Rex panels, P/N AMCPNLY24SU2M-B, for the alien crosstalk measurements. The Attestation of Conformity is valid for the actually tested connecting hardware samples and no verification of the running production is performed.*

Hoersholm, 24<sup>th</sup> March 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 24<sup>th</sup> March 2010

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



### Product Approvals for Class E/Category 6



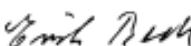
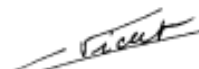


Note: Class E was standardised in 2003

Class E/Category 6 (Cat6Plus product range)			
Product	Certificate No.	Test House	Page
<b>Screened</b>			
4 connector channel – C6 shielded jacks, C6 F/UTP cables and C6 patch cords	2010-129	Delta	30
4 connector channel – C6 shielded jacks, C6 S/FTP cables and C6 patch cords	2010-130	Delta	31
Cat6 F/UTP cable	cs109479 *	3P	32
Cat6 F/UTP Duplex cable	cs110489A	3P	33
Cat6 U/FTP cable	cs108444C	3P	34
Cat6 F/FTP cable	cs104311F	3P	35
Cat6 S/FTP cable	111660 *	3P	36
<b>Unscreened</b>			
4 connector channel – C6 unshielded jacks, C6 U/UTP cables and C6 patch cords	2010-093	Delta	37
6 connector channel –C6 unshielded jacks, C6U/UTP cables and C6 patch cords	ac103392	3P	38
Cat6 U/UTP cable	cs100317L	3P	39
Cat6 U/UTP cable meeting IEC 60332-3-24	cs99273L *	3P	40
Cat6 U/UTP patch cable	cs99202J	3P	41

\*These are continuously maintained approvals by the test house – these products are reliability critical in installations and approval is maintained to assure performance levels.

Unless otherwise specified, all cables are finished in an LSOH jacket and the cables conform to IEC60332-1-2, IEC60754-1 & IEC61034-2

4 connector channel – C6 shielded jacks, C6 F/UTP cables and C6 patch cords

	
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<h1 style="text-align: center;">Compliance Statement</h1>	
No. 2010-129	
<h2>Screened Channel, Class E</h2>	
<p>Company          Brand-Rex Ltd          Viewfield Industrial Estate          Glenrothes,          Fife KY6 2RS          United Kingdom</p>	
<p>Channel Identification (4 connector model)          Horizontal cable: C6 F/UTP-HF1</p>	
<p>CP link: AC6CPG100-808-HBS</p>	
<p>Connecting hardware: C6CJAKS000 Rev A</p>	
<p>Patch cords:          C6CPCS050-888H Rev. B          C6CPCS030-888H Rev. B          C6CPCS020-888H Rev. B</p>	
<p>Generic cabling standards, cabling components standard</p> <ul style="list-style-type: none"> <li>• ISO/IEC 11801 2<sup>nd</sup> edition: 2002</li> <li>• ISO/IEC 11801 amendment 1:2008</li> <li>• EN 50173:2007</li> <li>• ANSI/TIA-568-C.2</li> </ul>	
<p>Technical report          DELTA-N312769-02, DANAK-19J2265</p>	<p>Manufacturer code          2265A</p>
<p>Certificate valid until          15 July 2011</p>	
<p>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.</p>	
<p>Hørsholm, 15 June 2010</p>	
<p>          Erik Besh          Test Manager</p>	<p>          Claude Videt          Project Manager</p>
<hr/>	
<p>DELTA          Venlighedsvej 4          2970 Hørsholm          Denmark</p>	<p>Tel: +45 72 19 40 00          Fax: +45 72 19 40 01  <a href="http://www.delta.dk/cable">www.delta.dk/cable</a></p>
 	

4 connector channel – C6 shielded jacks, C6 S/FTP cables and C6 patch cords



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# Compliance Statement

No. 2010-130

## Screened Channel, Class E

Company  
Brand-Rex Ltd  
Viewfield Industrial Estate  
Glenrothes,  
Fife KY6 2RS  
United Kingdom

Channel Identification (4 connector model)

Horizontal cable: C6 S/FTP-HF1

CP link: AC6CPG100-808-HBS

Connecting hardware: C6CJAKS000 Rev A

Patch cords:  
C6CPCS050-888BB Rev A  
C6CPCS030-888BB Rev A  
C6CPCS020-888BB Rev A

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2<sup>nd</sup> edition:2002
- ISO/IEC 11801 amendment 1:2008
- EN 50173:2007
- ANSI/TIA-568-C.2

Technical report  
DELTA-N312769-03, DANAK-19J2266

Manufacturer code  
2266A

Certificate valid until  
15 July 2011

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, 15 June 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.delte.dk/cable



ICS 1 Reg.no. 12

Cat6 F/UTP cable



# Compliance Statement

## Screened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

### Brand-Rex Identification C6F/UTP-HF1

Category 6, Overall Foil Screened  
100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 109479A*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover overall foil screened cable) and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 29<sup>th</sup> July 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 29<sup>th</sup> July 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Cat6 U/FTP Duplex cable



# Compliance Statement

## Screened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

### Brand-Rex Identification C6F/UTP-HF1-D

Category 6, Two Overall Foil Screened Units  
100  $\Omega$ , 2x4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Cable

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Compliance Statement No. 110489A*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover overall foil screened cable) and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 29<sup>th</sup> July 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 29<sup>th</sup> July 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



Cat6 U/FTP cable



# Compliance Statement

## Screened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

**Brand- Rex Identification C6U/FTP-HF1**  
**Category 6, Individual Foil Screened without Overall Screen**  
**100 Ω, 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Cable**

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 108444C*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2 and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft Apr AB July 2010), the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover individual foil screened cables), and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 1<sup>st</sup> July 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 1<sup>st</sup> July 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Cat6 F/FTP cable



# Compliance Statement

## Screened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

**Brand- Rex Identification C6F/FTP-HF1**  
**Category 6, Individual Foil and Overall Foil Screened**  
**100 Ω, 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Cable**

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 104311F*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2 and CENELEC Generic Cabling Standard EN 50173-1:2000, incl. amendment 2 (draft Apr AB July 2010), the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified to cover individual foil screened cables), and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 1<sup>st</sup> July 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 1<sup>st</sup> July 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Cat6 S/FTP cable



# Compliance Statement

## Screened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

**Brand- Rex Identification C6S/FTP-HF1**  
Category 6, Individual Foil and Overall Braid Screened  
100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 111660*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft Fpr AB July 2010), the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2, (modified to cover individual foil screened cables), and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-5-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 8. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 18<sup>th</sup> August 2011

A handwritten signature in blue ink, appearing to read "Ole Lambertsen", is written over a horizontal line.

Ole Lambertsen  
Test Responsible

Hoersholm, 18<sup>th</sup> August 2011

A handwritten signature in blue ink, appearing to read "Poul Villien", is written over a horizontal line.

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

4 connector channel – C6 unshielded jacks, C6 U/UTP cables and C6 patch cords



We help ideas meet the real world



# Compliance Statement

No. 2010-093

## Unscreened Channel, Class E

Company  
Brand-Rex Ltd  
Viewfield Industrial Estate  
Glenrothes,  
Fife KY6 2RS  
United Kingdom

Channel Identification (4 connector model)

Horizontal cable: C6U-HF1

CP link: C6U-HF1

Connecting hardware: C6CJAKU002 Rev B

Patch cords: C6PCS050-888BB Rev. A  
C6PCS030-888BB Rev. A  
C6PCS020-888BB Rev. A

Generic cabling standards, cabling components standard

- ISO/IEC 11801 2<sup>nd</sup> edition: 2002
- ISO/IEC 11801 amendment 1: 2008
- EN 50173:2007
- ANSI/TIA-568-C.2

Technical report  
DELTA-N312769-01, DANAK-19J2251

Manufacturer code  
2251A

Certificate valid until  
15 July 2011

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", DQP231 006. 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, 15 June 2010

Erik Besh  
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



RCSF Reg.no. 19

6 connector channel – C6 unshielded jacks, C6U/UTP cables and C6 patch cords



# Attestation of Conformity

## ISO/IEC, EN & TIA/EIA Unscreened Class E / Category 6 Six Connector Channel

**Brand-Rex Limited**  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

*Attestation of Conformity No. 103392*

*This type of Class E / Category 6 unscreened six connector channel has been tested by 3P Third Party Testing and complies with the Class E channel requirements of 2nd Edition ISO/IEC 11801 and CENELEC EN 50173-1, and the Category 6 channel requirements of ANSI/TIA/EIA-568-B2-1. The Attestation of Conformity is valid for the actually tested channel sample in T568B designation and consisting of the following components:*

<i>Cables from Brand-Rex:</i>	<i>Horizontal Cable,</i>	<i>P6N C6U, P6N C6U-HF1 and P6N C6U-HF3</i>
	<i>Flexible Cable,</i>	<i>P6N C6U-P24 and C6U-P24-HF1</i>
	<i>Qualification Status: 3P Verified</i>	
<i>Conn. Hardware from Brand-Rex:</i>	<i>Snap in Jack,</i>	<i>P6N C6C-JAK-U-01-2 rev B having</i>
		<i>PCB Marking BRAND-REX400210208 Rev 1</i>
	<i>Patch Panel,</i>	<i>P6N C6C-PNL-U-24-01-2A rev B having</i>
		<i>PCB Marking 430210213 Rev 1a</i>
	<i>Qualification Status: Manufacturer Verified</i>	
<i>Patch Cords from Brand-Rex:</i>	<i>Patch Cords,</i>	<i>P6N C6C-PC-U-020-888 and P6N C6C-PC-U-030-888</i>
	<i>Qualification Status: Manufacturer Verified</i>	

Hoersholm, 13 November 2003

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 13 November 2003

*Paul Villien*

Paul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



Cat6 U/UTP cable



# Compliance Statement

**Unscreened Category 6  
ISO/IEC, EN & ANSI/TIA  
Communication Cable**

**Brand-Rex Identification C6U-HF1**

**Category 6, Unscreened**

**100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHP, Copper Cable**

**Brand-Rex Ltd.**

**Viewfield Industrial Estate, Glenrothes**

**Fife KY6 2RS, Scotland**

*Compliance Statement No. 100317L*

*This Unscreened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft TprAB July 2010), ANSI/TIA Generic Cabling Standard 568-C.2 and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-6-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2 incl. amendment 1, and IEC 60754-2. The cable has ENEC Performance Rating 5. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 6<sup>th</sup> June 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 6<sup>th</sup> June 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Cat6 U/UTP cable meeting IEC 60332-3-24



# Compliance Statement

## Unscreened Category 6 ISO/IEC, EN & ANSI/TIA Communication Cable

**Brand-Rex Identification C6U-HF3**

**Category 6, Unscreened**

**100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Fire Retardant, LSFRHF, Copper Cable**

**Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland**

*Compliance Statement No. 99273L*

*This Unscreened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2 and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft Apr AB July 2010), ANSI/TIA Generic Cabling Standard 568-C.2 and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-6-1. Fire safety is verified according to IEC 60332-3-24 (Cat. C), IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 6. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 6<sup>th</sup> June 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 6<sup>th</sup> June 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Cat6 U/UTP patch cable



# Compliance Statement

## Unscreened Category 6 ISO/IEC & EN Communication Patch Cable

**Brand-Rex Identification C6U-P24-HF1**

**Category 6, Patch, Unscreened**

**100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Flame Retardant, LS0H, Copper Cable**

**Brand-Rex Limited**

**Viewfield Industrial Estate, Glenrothes**

**Fife KY6 2RS, Scotland**

*Compliance Statement No. 99202J*

*This Unscreened ISO/IEC, EN & TIA/EIA Communication Patch Cable has been tested by 3P Third Party Testing and complies with the Category 6 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, CENELEC Generic Cabling Standard EN 50173-1:2007, ANSI/TIA Generic Cabling Standard 568-C.2 (modified for attenuation requirements) and 3<sup>rd</sup> edition IEC Cable Standard 61156-6 and the requirements of CENELEC Cable Standard EN 50288-6-2. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 6. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 15<sup>th</sup> June 2010

Ole Lambertsen  
Test Responsible

Hoersholm, 15<sup>th</sup> June 2010

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

**Product Approvals for Class F/Category 7**

Note: Class F was standardised in 2003

<b>Class F/Category 7 (U-MediaPlus product range)</b>			
<b>Product</b>	<b>Certificate No.</b>	<b>Test House</b>	<b>Page</b>
Cat 7 S/FTP cable	cs107354E	3P	43
Cat 7 S/FTP cable meeting IEC 60332-3-24	cs107358E	3P	44

\*These are continuously maintained approvals by the test house – these products are reliability critical in installations and approval is maintained to assure performance levels.

Unless otherwise specified, all cables are finished in an LSOH jacket and the cables conform to IEC60332-1-2, IEC60754-1 & IEC61034-2

Cat 7 S/FTP cable



# Compliance Statement

## Screened Category 7 ISO/IEC, EN & Enhanced TIA Communication Cable

**Brand-Rex Identification UM10-HF1**  
**Category 7, Individual Foil and Overall Braid Screened**  
**100  $\Omega$ , 4 Twisted Pairs, 23 AWG, Flame Retardant, LS0H, Copper Cable**

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 107354E*

*This Screened ISO/IEC, EN & Enhanced TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 7 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, CENELEC Generic Cabling Standard EN 50173-1:2007 and 2<sup>nd</sup> edition IEC Cable Standard 61156-3, the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified for attenuation requirements and to cover individual foil and overall braid screened cables) and the requirements of CENELEC Cable Standard EN 50288-4-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EBC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance of Qualification Testing performed at 6 or 12 month intervals.*

Hoersholm, 5<sup>th</sup> August 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 5<sup>th</sup> August 2010

*Paul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



Cat 7 S/FTP cable meeting IEC 60332-3-24



# Compliance Statement

## Screened Category 7 ISO/IEC, EN & Enhanced TIA Communication Cable

**Brand-Rex Identification UM10-HF3**  
**Category 7, Individual Foil and Overall Braid Screened**  
**100 Ω, 4 Twisted Pairs, 23 AWG, Fire Retardant, LSFR0H, Copper Cable**

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 107358E*

*This Screened ISO/IEC, EN & Enhanced TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 7 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, CENELEC Generic Cabling Standard EN 50173-1:2007 and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, the Category 6 requirements of ANSI/TIA Generic Cabling Standard 568-C.2 (modified for attenuation requirements and to cover individual foil and overall braid screened cables) and the requirements of CENELEC Cable Standard EN 50288-4-1. Fire safety is verified according to IEC 60332-3, Cat C:1992, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance of Qualification Testing performed at 6 or 12 month intervals.*

Hoersholm, 5<sup>th</sup> August 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 5<sup>th</sup> August 2010

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

**Product Approvals for Class D/Category 5e**

Note: Class D was standardised in 1998

<b>Class D/Category 5e (GigaPlus product range)</b>			
<b>Product</b>	<b>Certificate #</b>	<b>Test</b>	<b>Page</b>
<b>Screened</b>			
Cat5e F/UTP cable	cs99210N *	3P	46
Cat5e SF/UTP cable	cs99215L *	3P	47
<b>Unscreened</b>			
Cat5e U/UTP cable	cs99222S *	3P	48
Cat5e U/UTP cable meeting IEC 60332-3-24	cs99223O *	3P	49
Cat5e U/UTP patch cable	cs103274F	3P	50

\*These are continuously maintained approvals by the test house – these products are reliability critical in installations and approval is maintained to assure performance levels.

Unless otherwise specified, all cables are finished in an LSOH jacket and the cables conform to IEC60332-1-2, IEC60754-1 & IEC61034-2

Category 5e F/UTP cable



# Compliance Statement

## Screened Category 5e ISO/IEC, EN & ANSI/TIA Communication Cable

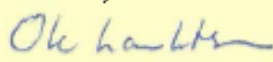
Brand- Rex Identification GPF-HF1  
Category 5e, Overall Foil Screened  
100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Flame Retardant, LSHF, Copper Cable

Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

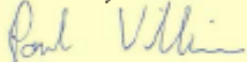
Compliance Statement No. 99210N

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 5 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2 and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), the Category 5e requirements of ANSI/TIA Generic Cabling Standard 568-C.2, 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-2-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2 incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 30<sup>th</sup> June 2011

  
Ole Lambertsen  
Test Responsible

Hoersholm, 30<sup>th</sup> June 2011

  
Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Category 5e SF/UTP cable



# Compliance Statement

**Screened Category 5e  
ISO/IEC, EN & ANSI/TIA  
Communication Cable**

**Brand- Rex Identification GPS-HF1  
Category 5e, Overall Foil and Braid Screened  
100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Flame Retardant, LSHF, Copper Cable**

**Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland**

*Compliance Statement No. 99215L*

*This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 5 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft EprAB July 2010), the Category 5e requirements of ANSI/TIA Generic Cabling Standard 568-C.2, 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-2-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2 incl. amendment 1 and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 30<sup>th</sup> June 2011

Ole Lambertsen  
Test Responsible

Hoersholm, 30<sup>th</sup> June 2011

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Category 5e U/UTP cable



# Compliance Statement

## Unscreened Category 5e ISO/IEC, EN & ANSI/TIA Communication Cable

Brand-Rex Identification GPU-HF1

Category 5e, Unscreened

100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Flame Retardant, LSHF, Copper Cable

Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland

Compliance Statement No. 99222S

*This Unscreened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 5 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11 801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2007, incl. amendment 2 (draft FprAB July 2010), the Category 5e requirements of ANSI/TIA Generic Cabling Standard 568-C.2 and 2<sup>nd</sup> edition IEC Cable Standard 61156-3, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-3-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2 incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 1. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 13<sup>th</sup> July 2011

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 13<sup>th</sup> July 2011

*Poul Villien*

Poul Villien  
Coordinating Manager

Independent Testing - For End User Confidence



Category 5e U/UTP cable meeting IEC 60332-3-24



# Compliance Statement

## Unscreened Category 5e ISO/IEC, EN & ANSI/TIA Communication Cable

**Brand-Rex Identification GPU-HF3**

**Category 5e, Unscreened**

**100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Fire Retardant, LSFRHF, Copper Cable**

**Brand-Rex Limited  
Viewfield Industrial Estate, Glenrothes  
Fife KY6 2RS, Scotland**

*Compliance Statement No. 992230*

*This Unscreened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 5 performance requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801, incl. amendment 2, and CENELEC Generic Cabling Standard EN 50173-1:2001, incl. amendment 2 (draft PrAB July 2010), the Category 5e requirements of ANSI/TIA Generic Cabling Standard 568-C.2 and 2<sup>nd</sup> edition IEC Cable Standard 61156-5, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-3-1. Fire safety is verified according to IEC 60332-3-24, (Cat. C), IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 7. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 13<sup>th</sup> July 2011

A handwritten signature in blue ink, appearing to read "Ole Lambertsen", is written over a horizontal line.

Ole Lambertsen  
Test Responsible

Hoersholm, 13<sup>th</sup> July 2011

A handwritten signature in blue ink, appearing to read "Poul Villien", is written over a horizontal line.

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*

Category 5e U/UTP patch cable



# Compliance Statement

## Unscreened Category 5e ISO/IEC & EN Communication Patch Cable

**Brand-Rex Identification GPU-P24-HF1**  
Category 5e, Patch, Unscreened  
100  $\Omega$ , 4 Twisted Pairs, 24 AWG, Flame Retardant, LS0H, Copper Cable

**Brand-Rex Limited**  
**Viewfield Industrial Estate, Glenrothes**  
**Fife KY6 2RS, Scotland**

*Compliance Statement No. 103274F*

*This Unscreened ISO/IEC, EN & TIA/EIA Communication Patch Cable has been tested by 3P Third Party Testing and complies with the Category 5 requirements of 2<sup>nd</sup> edition ISO/IEC Generic Cabling Standard 11801 and CENELEC Generic Cabling Standard EN 50173-1:2007, the Category 5e requirements of ANSI/TIA Generic Cabling Standard 568-C.2 and 3<sup>rd</sup> edition IEC Cable Standard 61156-6, and the requirements of 2<sup>nd</sup> edition CENELEC Cable Standard EN 50288-3-2. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 6. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.*

Hoersholm, 18<sup>th</sup> June 2010

*Ole Lambertsen*

Ole Lambertsen  
Test Responsible

Hoersholm, 18<sup>th</sup> June 2010

*Poul Villien*

Poul Villien  
Coordinating Manager

*Independent Testing - For End User Confidence*



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