Excel System Warranty

www.excel-networking.com/25-year-warranty

25 YEAR WARRANTY

excel

COPPER
FIBRE
VOICE
CR

CL
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SR
OR
WR

excel
without compromise.

Excel System Warranty - Terms & Conditions

This document covers:

- Excel Copper **COPPER**

- Excel Enbeam Fibre Optic **FIBRE**

- Excel Voice Cabling **VOICE**

- Excel Environ Range **ENVIRON**

The purpose of this document is to outline the terms and conditions of the Excel Structured Cabling System Warranty.

Excel Partner Programme

The Excel partner programme offers installers two levels of accreditation that benefit from a warranty, Excel Cabling Partner (ECP) and an Excel Solutions Partner (ESP).

Acceptance to either programme follows an application process based around technical and commercial capability, and commitment to undergo extensive training and sit an exam to demonstrate a full understanding of the Excel Structured Cabling System and how to design, install and test systems in accordance with the Excel guidelines, best practice and above all standards compliance.

excel cabling partner. **excel** solutions partner.

Find out more about the Excel Partner Programme

Excel System Warranty

The Excel System Warranty provides a 25-year product and applications warranty, providing assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The Excel System Warranty is only available when the said system is designed, supplied and installed by an accredited Excel Partner.

If the accredited Excel Partner does not pay in full for the goods supplied under the warranty in accordance with terms, the warranty will become null and void. In the event that this occurs the end user will be notified immediately by Excel.

It is the accredited Excel Partner's responsibility to ensure that the end user is fully aware of the terms and conditions on which the warranty is supplied.

25 YEAR WARRANTY **excel**

Find out more about the Excel Warranty

How does it work?

Once site testing has been completed, the Excel Partner visits the **Excel Partner Area** to apply for a warranty via the online system within 60 days of the final test result date. When this information has been evaluated and accepted by our Excel Warranty team, certification will be issued. Until the certificate is issued the installation is not covered by the warranty.

Upon receipt of the application, and the required information in the correct format, the Excel Warranty team will complete the above process within a maximum of five working days. (90% of correctly applied for applications are processed and approved within 48 hours of application.) Once a warranty has been approved a notification will be sent to you by email to advise you that the warranty has been issued and you will be able to visit the warranty area to download your certificate or to send a link directly to your end user client.

To qualify for the warranty the installation **must** be made up entirely of Excel or approved strategic partner products, which must be new at the time of installation.

What is covered by the warranty?

The Excel System Warranty provides assurance of fibre and/or copper link performance, covering patch panel to outlet and/or patch panel to patch panel links. The warranty covers components and applications. This means that if a component in any link fails, or the structured cabling fails to support an application that it has been tested to carry (such as 10 Gigabit Ethernet), then a claim can be made on the warranty.

All links must be installed and tested to Excel and industry guidelines to qualify for the warranty. (Refer to 'Warranty Application Process' segment or the 'Installation' Guidelines section).

The following, if tested and included in the warranty registration form, are covered:

Copper and Fibre versions of

- Horizontal links (Patch Panel to Outlet)
- Modified Permanent Link (Patch Panel to Field terminated RJ45 plug)
- Rack links (Patch Panel to Patch Panel)
- Backbone links (Patch Panel to Patch Panel between communications room or area)
- MTP Optical Fibre installations (test in accordance with the details of the Fibre Optic Links section below)
- Enbeam blown fibre solution, including but not limited to multi-tube cables and the blowing of the fibre element
- Copper harness or Switch Links (comprising of patch panel and solid or stranded patch leads)
- Patch leads (must be Excel and detailed on the application)
- Consolidation Points and Cables when installed and tested in accordance with Installation Guidelines
- Environ Racks (when installed as part of a complete Excel solution)
- Intelligent, Modular and Standard PDUs (the warranty is for 3 years on PDUs included in the registration)

S20

What isn't covered by the warranty?

All information supplied to Excel from the Excel Partner pertaining to the warranty must be an accurate and true representation of the installation work undertaken. Should it become known that deliberately falsified information has been tendered to Excel, the warranty shall be rendered null and void.

- The warranty does not cover accidental or malicious damage to the installed links outside of Excel's control.

- The warranty does not cover damage caused by external circumstances beyond our control.

- The warranty does not cover links for which compliant test results were not supplied at the time of application. If subsequent work is carried out on the network or surrounding services (electrical, water, etc) that may have an effect on the performance of the cabling, the cabling must be retested. If the cabling is not retested, this may invalidate the warranty. For further detail please refer to our full terms and conditions of sale.

What if there is a problem?

In the event of a problem with the installation, the user should contact the Excel Partner who installed the system. They will undertake a site survey to establish the extent of the problem and the actual cause. The Excel Partner shall contact the Excel Warranty team to notify them of a potential problem. Excel reserve the right to detail specific testing that shall be carried out by the installer, conduct a site visit, request samples, have suspected faulty product returned to Excel. Failure to comply with these requirements may, at the sole discretion of Excel, invalidate the claim. If it is found that installed Excel product covered by a valid warranty is at fault, then the Excel Partner will supply replacement product to resolve the problem at no cost to the customer.

- Excel Cabling Partners are eligible to claim the value of Excel product back from Excel.

- Excel Solutions Partners are eligible to claim the value of the Excel product, and the cost of labour to rectify the problem, back from Excel. Labour costs are covered at the rate agreed in the Excel Partner agreement.

If the Excel Partner is no longer in business, the customer should contact Excel's post-sales department, providing full details, in writing, of the installation and problem. Excel or an alternative Excel Partner will provide support, and where necessary replace/repair the products, to ensure the certified levels of performance are achieved. If a warranty was not applied for and/or not issued Excel does not accept any liability.

If an engineer is despatched to the site and it is found that the cabling system or workmanship is not at fault, then the customer will be charged at the standard rate for the engineer's time and travelling expenses.

Warranty Application Process

Applying for an Excel 25 Year Product and Application Warranty couldn't be easier. The whole process is now undertaken via the **'Partner Area'** located on the Excel website **www.excel-networking.com**.

Once you have completely read these Terms and Conditions, please follow these simple steps to ensure that your warranty application is processed quickly and efficiently.
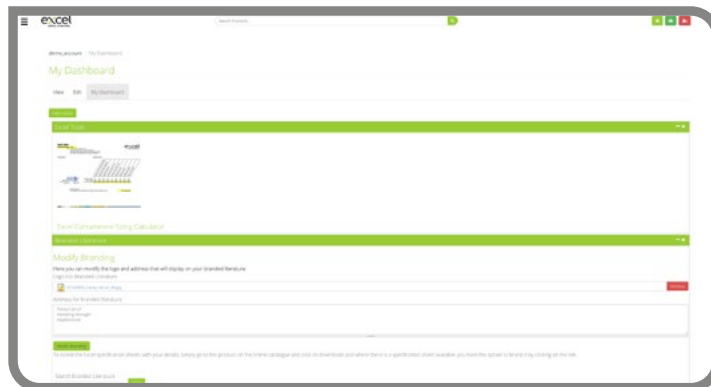
Step One

Visit **www.excel-networking.com.**

Click on the **'Partner Area'** – you will be required to enter your email and password to enter this area. The link to the **'Partner Area'** is at the very top of the webpage.

If you are an accredited Excel Partner and you haven't yet registered for the **'Partner Area'** please email **admin@excel-networking.com** and a user name and password will be set up and sent to you within 24 working hours.

Note: To ensure only the authorised people at your company can view the Excel Partner Area, we will set up the requestor as an 'Administrator' level so that they are the only ones that can then add and remove users to the site.
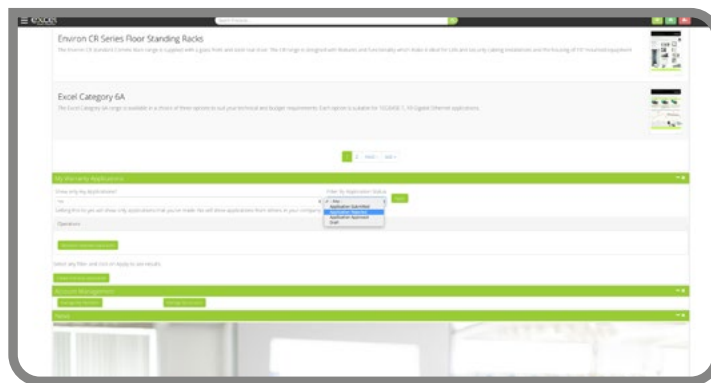
Step Two

Click on **Warranties**

Step Three

From here you have four choices:

- You can add a new warranty
- You can check any pending warranties
- You can view issued warranties
- You can view rejected warranties and change/add information to progress the application

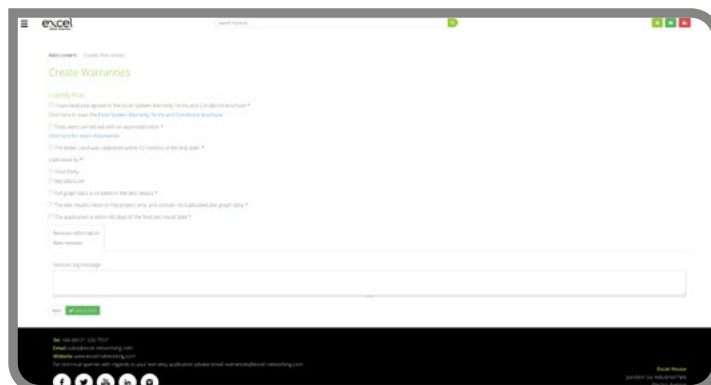Click on **'Create Warranty Application'**

Step Four

Before you start the process you will be asked to confirm compliance with certain conditions, including:

- I have read and agreed to the Excel System Warranty Terms and Conditions brochure
- Tests carried out with an approved tester
- The tester used was calibrated within the last 12 months.
- Full graph data included in test results
- The test results relate to this project only, and contain no duplicates

Once you confirm these points it will take you through to the next screen.

Step Five

The database will automatically populate your company details – please check the information and should you need to make any changes these can only be carried out by an **'Administrator'** level user (this is for security purposes). Please tick to confirm that you are happy with the details.

Step Six

Add the full details of the project that you are requesting a warranty for.

Step Seven

Add the technical information relating to the warranty application.

Please take care to include correct and accurate information as these details will be checked against the test results and inconsistencies in the information will result in your application being rejected.
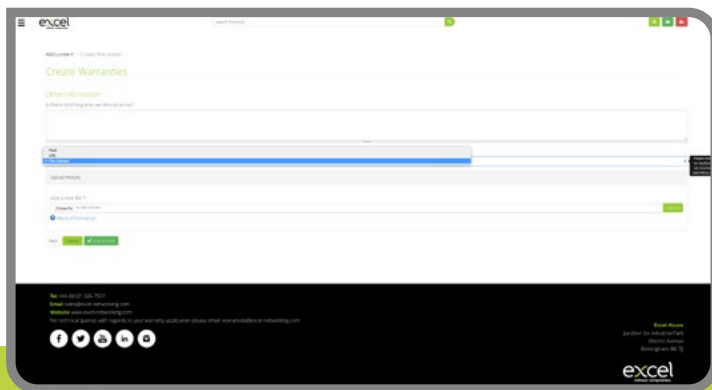
These details will also be listed on the Warranty Certificate that is produced at the end of the process.

Step Eight

At this stage you can add in any further information that is relevant to the site and then submit your test results.

N.B. If you are submitting more than one file via the website, please ensure that you zip these documents together first.

IMPORTANT

Submitting Test Results

- Please make sure that your test results are submitted from an up-to-date calibrated tester – failure to do so will mean that your results will not be accepted and the 25 year warranty will not be provided.

- The tester shall be calibrated annually, preferably by the test equipment manufacturer. If a third party is used a PDF copy of the calibration certificate shall be submitted with every warranty application.

  Excel reserves the right not to accept third party calibration should the details not meet the required standards.

- The test equipment must support the standard for which the warranty is being sought.

- The test results must be submitted in the tester manufacturer format (eg. '.flw' FlukeLinkWare).

- PDF test results are NOT accepted.

- The test results must be sorted within the results file by Building, Floor, Communications Room, Rack, Panel for easy analysis

- Only submit results that apply for this warranty application

Submitting Results via the Post

You have a choice to submit the results by post or via the web. If you choose to send the results by post please click on the **'Print Label for Delivery'** and it will produce a label with all the relevant information that you need to include when sending the test results.

The reference number will also be confirmed in an email and this must be included with the results that are posted to ensure that the details are matched to the right project. Write this reference number on the CD/DVD/Memory Stick that you are submitting the results on. Failure to include the reference number will mean that the results will not be accepted and we will be unable to process your warranty application.

Please ensure that the results are submitted straight away, if we don't receive them within 30 days your warranty application will automatically be removed from the system and you will need to re-apply.

Note: The results (CD/DVD/Memory Stick) will NOT be returned.

Alternatively upload the test results by following the instructions shown on the screen.

Verification

Once the results have been uploaded or you've printed off a label and sent the results by post, these will be sent through to our technical team.

They will check the online application and compare and verify the test results (please ensure that the test results are provided in the relevant format as stated above).   Applications will be processed within 5 working days from the receipt of the test data being supplied in the correct format.

Once a warranty has been approved a notification will be sent to you by email to advise you that the warranty has been issued and you will be able to visit the warranty area to download your certificate or to send a link directly to your end user client.

S20

Pending Warranties

Any submitted warranty applications can be viewed by clicking on the **'Pending Warranties'** folder.

Approved Warranties

You can view any of your approved warranty applications (submitted from March 2012) by visiting the 'Approved Warranties' folder in the partner area.   These details are held in a completely secure area that is only accessible by those members of your staff that have been given access to the Excel Partner area, and the Excel technical team. However, it is possible for you to copy and paste the link to the pdf of the warranty certificate to email directly to your customer if you wish.

Rejected Warranties

If the warranty application is rejected it will be listed in the **'Rejected Warranties'** area and a notification will be sent to you by email advising you of the reason(s) for rejection. You will then have the ability to update the information and progress the warranty through to completion.

Please note that all rejected warranties will automatically be removed from the system after 60 days.

For any questions or queries relating to the warranty application process please email these through to

warranties@excel-networking.com

Copper (Horizontal 4 pair)

100% testing shall be carried out on:

- Horizontal links (patch panel to outlet) – test as permanent link.
- Horizontal Links with Consolidation Points (CP) – test from Patch Panel to CP.
- Patch Panel to Patch Panel links are to be tested as Permanent Links.
- Switch Links (Patch Panel to RJ45 plug) – Shall be tested as a modified permanent link.

  Switch links shall be made from Excel patch leads (solid or stranded) and patch panel ports. The warranty does not cover non Excel RJ45 plugs
- Full results must be submitted for each link.
- Results to be submitted in the original tester format (see previous page).

Copper (Vertical Category 3/CW Multipair)

Links that are submitted for warranty must include:

- Length
- Continuity report
- Cable construction type and pair data.

Fibre Optic Link

- Tier 1 certification must be completed and submitted for each fibre link. Each fibre core shall be tested in each direction and the results combined if stored electronically.
- Test equipment that stores the results electronically shall be presented in the manufacturers format.
- Where test equipment tests against a specific standard, care shall be taken to ensure that the correct one is selected.
- Details of the construction and core count of the fibre cable are needed.
- The fibre loss results should be submitted in the testers native format.

Tier 1 certification refers to the use of a light source and power meter to perform continuity and loss testing of the installed links. The length of the fibre is also measured.

Class G/Category 8 warranty

An installation must be tested to Category 8 performance and 100% link tests must be performed using Level IV test equipment as a minimum. Either a permanent link adapter or approved manufacturer's test head must also be used. The approved testers for submission of an Excel Warranty application are available at:
https://www.excel-networking.com/25-year-warranty

Requirements for Class G/Category 8 warranty

- A copy of your Excel training certificate.
- Excel or approved equivalent patch cords must be installed.
- Test to ISO11801 Class II.

Successful warranty applications will receive a 25-year certification confirming:

- Compliance with the standard tested.
- Support of current and future Class G protocols.
- Guaranteed backward compatibility.

Class F_A/Category 7_A warranty

An installation must be tested to Category 7_A performance and 100% link tests must be performed using Level IV test equipment as a minimum. Either a permanent link adapter or approved manufacturer's test head must also be used. The approved testers for submission of an Excel Warranty application are available at:
https://www.excel-networking.com/25-year-warranty

Requirements for Class F_A/Category 7_A warranty

- A copy of your Excel training certificate.
- Excel or approved equivalent patch cords must be installed.
- Test to ISO11801 Class F_A or EN50173 Class F_A

Successful warranty applications will receive a 25-year certification confirming:

- Compliance with the standard tested.
- Support of current and future Class 7_A protocols.
- Guaranteed backward compatibility.

For a full list of protocols supported by the Excel Category 7_A warranty, please refer to Appendix A.

Class E_A/Category 6_A warranty

An installation must be tested to Category 6_A performance and 100% link tests must be performed using Level IIIe test equipment as a minimum. Either a permanent link adapter or approved manufacturer's test head must also be used. The approved testers for submission of an Excel Warranty application are available at:
https://www.excel-networking.com/25-year-warranty

Requirements for Class E_A/Category 6_A warranty

- A copy of your Excel training certificate.
- Excel or approved equivalent patch cords must be installed.
- Test to ISO11801 Class E_A or EN50173 Class E_A.

Successful warranty applications will receive a 25-year certification confirming:

- Compliance with the standard tested.
- Support of current and future Class E_A protocols.
- Guaranteed backward compatibility.

For a full list of protocols supported by the Excel Category 6_A warranty, please refer to Appendix B.

S20

Class E/Category 6 warranty

An installation must be tested to Category 6 performance and 100% link tests must be performed using Level III test equipment as a minimum. Either a permanent link adapter or approved manufacturer's test head must also be used. The approved testers for submission of an Excel Warranty application are available at:
https://www.excel-networking.com/25-year-warranty

Requirements for Class E/Category 6 warranty

- A copy of your Excel training certificate.
- Excel or approved equivalent patch cords must be installed.
- Test to ISO11801 Class E or EN50173 Class E.

Successful warranty applications will receive a 25-year certification confirming:

- Compliance with the standard tested.
- Support of current and future Class E protocols.
- Guaranteed backward compatibility.

For a full list of protocols supported by the Excel Category 6 warranty, please refer to Appendix C.

Category 5e warranty

An installation must be tested to Class D/Category 5e performance and 100% link tests must be performed using Level III test equipment as a minimum. Either a permanent link adapter or approved manufacturer's test head must also be used.
The approved testers for submission of an Excel Warranty application are available at:
https://www.excel-networking.com/25-year-warranty

- A copy of your Excel training certificate.
- Excel or approved equivalent patch cords must be installed.
- Test to ISO11801 Class D or EN50173 Class D.

Successful warranty applications will receive a 25-year certification confirming:

- Compliance with the standard tested.
- Support of current and future Class D protocols.
- Guaranteed backward compatibility.

For a full list of protocols supported by the Excel Category 5e warranty, please refer to Appendix D.

Fibre optic warranty

Tier 1 testing must be completed for each link (in both directions) that requires a warranty. The fibre loss results should be submitted in the testers native format. The maximum loss allowed can be worked out using the table below.

Class	Optical Fibre Type	Maximum Channel Attenuation dB			
		Multi Mode		Single Mode	
		850nm	1300nm	1310nm	1550nm
OF-300	OM1, OM2, OM3, OM4, OM5, OS1, OS2	2.55	1.95	1.8	1.8
OF-500	OM1, OM2, OM3, OM4, OM5, OS1, OS2	3.25	2.25	2	2
OF-2000	OM1, OM2, OM3, OM4, OM5, OS1, OS2	8.5	4.5	3.5	3.5
OF-5000	OS1, OS2			4	4
OF-10000	OS1, OS2			6	6

Multipair warranty

Links that are submitted for warranty must include:

- Length
- Continuity report
- Cable construction type and pair data

Conditions of Warranty

The products, and where appropriate the labour, are covered by the warranty from the point of acceptance by Excel and not before. The warranty covers the products and installation as detailed above. The warranty excludes any form of consequential loss of any kind. The warranty is subject to the Mayflex Group Limited Conditions of Sale. The warranty is in addition to statutory rights. This warranty is governed by and interpreted in accordance with English law and the parties agree to submit to the non-exclusive jurisdiction of the English courts.

Appendix A

Excel Protocols List – Category 7$_A$/Class F$_A$ – defined 1000 MHz

Data systems supported include, but are not limited to:

Name	Application	Specification
10 Gigabit Ethernet	10GBASE-T	IEEE 802.3an
Gigabit Ethernet, IEEE 802.3ab	CSMA/CD 1000BASE-T b	IEEE 802.3 clause 40
Fast Ethernet IEEE 802.3u	CSMA/CD 100BASE-TX b	IEEE 802.3 clause 25
Ethernet: IEEE 802.3i	CSMA/CD 10BASE-T a	IEEE 802.3
Power over Ethernet	PoE & PoE+	802.3at, Type 1 & Type 2
Power over Ethernet Plus Plus	POE++ (Type 4)	IEE 802.3bt
Twisted pair Fibre Channel 1G	Fibre Channel 1Gb/s	INCITS 435
ATM-1200/Category 6	ATM LAN 1,2 Gbit/s	IP/MPLS Forum af-phy-0162.000
ATM-155/Category 5	ATM LAN 155,52 Mbit/s	IP/MPLS Forum af-phy-0015.000
ATM-52/Category 3	ATM LAN 51,84 Mbit/s	IP/MPLS Forum af-phy-0018.000
ATM-25/Category 3	ATM LAN 25,60 Mbit/s	IP/MPLS Forum af-phy-0040.000
Firewire/Category 5	Firewire 100 Mbit/s	IEEE 1394b
High Speed Token Ring	Token Ring 100 Mbit/s	IEEE 802.5t
Token Ring	Token Ring 16 Mbit/s	IEEE 802.5
Token Ring	Token Ring 4 Mbit/s	IEEE 802.5
ISDN Primary Access (Physical Layer)	S$_1$/S$_2$	ITU-T I.431
ISDN	S$_0$ Star	EN 50098-1:1998/A1 (ITU-T I.430)
ISDN Basic Access (Physical Layer)	S$_0$ Point-to-Point	ITU-T I.430
ISDN Basic Access (Physical Layer)	S$_0$-Bus (extended)	ITU-T I.430
Voice	X.21	ITU-T X.21
Voice	V.11	ITU-T V.11
Voice	PBX	National Requirements

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S20

Appendix B

Excel Protocols List – Category 6$_A$/Class E$_A$ – defined 500 MHz

Data systems supported include, but are not limited to:

Name	Application	Specification
10 Gigabit Ethernet	10GBASE-T	IEEE 802.3an
Gigabit Ethernet, IEEE 802.3ab	CSMA/CD 1000BASE-T b	IEEE 802.3 clause 40
Fast Ethernet IEEE 802.3u	CSMA/CD 100BASE-TX b	IEEE 802.3 clause 25
Ethernet: IEEE 802.3i	CSMA/CD 10BASE-T a	IEEE 802.3
Power over Ethernet	PoE & PoE+	802.3at, Type 1 & Type 2
Power over Ethernet Plus Plus	POE++ (Type 4)	IEE 802.3bt
Twisted pair Fibre Channel 1G	Fibre Channel 1Gb/s	INCITS 435
ATM-1200/Category 6	ATM LAN 1,2 Gbit/s	IP/MPLS Forum af-phy-0162.000
ATM-155/Category 5	ATM LAN 155,52 Mbit/s	IP/MPLS Forum af-phy-0015.000
ATM-52/Category 3	ATM LAN 51,84 Mbit/s	IP/MPLS Forum af-phy-0018.000
ATM-25/Category 3	ATM LAN 25,60 Mbit/s	IP/MPLS Forum af-phy-0040.000
Firewire/Category 5	Firewire 100 Mbit/s	IEEE 1394b
High Speed Token Ring	Token Ring 100 Mbit/s	IEEE 802.5t
Token Ring	Token Ring 16 Mbit/s	IEEE 802.5
Token Ring	Token Ring 4 Mbit/s	IEEE 802.5
ISDN Primary Access (Physical Layer)	S_1/S_2	ITU-T I.431
ISDN	S_0 Star	EN 50098-1:1998/A1 (ITU-T I.430)
ISDN Basic Access (Physical Layer)	S_0 Point-to-Point	ITU-T I.430
ISDN Basic Access (Physical Layer)	S_0-Bus (extended)	ITU-T I.430
Voice	X.21	ITU-T X.21
Voice	V.11	ITU-T V.11
Voice	PBX	National Requirements

Appendix C

Excel Protocols List – Category 6/Class E – defined 250 MHz

Data systems supported include, but are not limited to:

Name	Application	Specification
Gigabit Ethernet, IEEE 802.3ab	CSMA/CD 1000BASE-T b	IEEE 802.3 clause 40
Fast Ethernet IEEE 802.3u	CSMA/CD 100BASE-TX b	IEEE 802.3 clause 25
Ethernet: IEEE 802.3i	CSMA/CD 10BASE-T a	IEEE 802.3
Power over Ethernet	PoE & PoE+	802.3at, Type 1 & Type 2
Power over Ethernet Plus Plus	POE++ (Type 4)	IEE 802.3bt
Twisted pair Fibre Channel 1G	Fibre Channel 1Gb/s	INCITS 435
ATM-1200/Category 6	ATM LAN 1,2 Gbit/s	IP/MPLS Forum af-phy-0162.000
ATM-155/Category 5	ATM LAN 155,52 Mbit/s	IP/MPLS Forum af-phy-0015.000
ATM-52/Category 3	ATM LAN 51,84 Mbit/s	IP/MPLS Forum af-phy-0018.000
ATM-25/Category 3	ATM LAN 25,60 Mbit/s	IP/MPLS Forum af-phy-0040.000
Firewire/Category 5	Firewire 100 Mbit/s	IEEE 1394b
High Speed Token Ring	Token Ring 100 Mbit/s	IEEE 802.5t
Token Ring	Token Ring 16 Mbit/s	IEEE 802.5
Token Ring	Token Ring 4 Mbit/s	IEEE 802.5
ISDN Primary Access (Physical Layer)	S_1/S_2	ITU-T I.431
ISDN	S_0 Star	EN 50098-1:1998/A1 (ITU-T I.430)
ISDN Basic Access (Physical Layer)	S_0 Point-to-Point	ITU-T I.430
ISDN Basic Access (Physical Layer)	S_0-Bus (extended)	ITU-T I.430
Voice	X.21	ITU-T X.21
Voice	V.11	ITU-T V.11
Voice	PBX	National Requirements
Voice	PBX	National Requirements

UPDATED for V5

S20

273

Appendix D

Excel Protocols List – Category 5e/Class D – defined 100 MHz

Data systems supported include, but are not limited to:

Name	Application	Specification
Gigabit Ethernet, IEEE 802.3ab	CSMA/CD 1000BASE-T b	IEEE 802.3 clause 40
Fast Ethernet IEEE 802.3u	CSMA/CD 100BASE-TX b	IEEE 802.3 clause 25
Ethernet: IEEE 802.3i	CSMA/CD 10BASE-T a	IEEE 802.3
Power over Ethernet	PoE & PoE+	802.3at, Type 1 & Type 2
Power over Ethernet Plus Plus	POE++ (Type 4)	IEE 802.3bt
Twisted pair Fibre Channel 1G	Fibre Channel 1Gb/s	INCITS 435
ATM-155/Category 5	ATM LAN 155,52 Mbit/s	IP/MPLS Forum af-phy-0015.000
ATM-52/Category 3	ATM LAN 51,84 Mbit/s	IP/MPLS Forum af-phy-0018.000
ATM-25/Category 3	ATM LAN 25,60 Mbit/s	IP/MPLS Forum af-phy-0040.000
Firewire/Category 5	Firewire 100 Mbit/s	IEEE 1394b
High Speed Token Ring	Token Ring 100 Mbit/s	IEEE 802.5t
Token Ring	Token Ring 16 Mbit/s	IEEE 802.5
Token Ring	Token Ring 4 Mbit/s	IEEE 802.5
ISDN Primary Access (Physical Layer)	S_1/S_2	ITU-T I.431
ISDN	S_0 Star	EN 50098-1:1998/A1 (ITU-T I.430)
ISDN Basic Access (Physical Layer)	S_0 Point-to-Point	ITU-T I.430
ISDN Basic Access (Physical Layer)	S_0-Bus (extended)	ITU-T I.430
Voice	X.21	ITU-T X.21
Voice	V.11	ITU-T V.11
Voice	PBX	National Requirements
Voice	PBX	National Requirements
Voice	PBX	National Requirements

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Site & Installation Inspection Report

This form has been developed to be used for audits during or on completion of an Excel installation. Using our traffic light system you can see at a glance where any additional focus or work is required, to the standard required to receive a system warranty.

Green - Fully compliant no further work required

Amber - Needs work to reach completion

Red - Major work or replacement required

Name: .... Date: ....

Details

End User Client	
Project:	
Company:	
Address:	
Contact:	Tel No.:

Excel Partner	
Company:	
Address;	
Contact:	
Phase of Project	Initial ❑ Termination ❑ Testing ❑ Handover ❑
Has previously highlighted remedial work been actioned?	Yes ❑ No ❑ n/a ❑

Installed Cabling

Copper System	Cat 5e ❑ Cat 6 ❑ Cat 6$_A$ ❑ Cat 6$_A$ (with 7$_A$ Cable) ❑ Cat 7$_A$ ❑ Cat 8 ❑	Unscreened ❑ Screened ❑	No. of outlets:
Enbeam Fibre System	OM 1 ❑ OM 2 ❑ OM 3 ❑ OM4 ❑ OM5 ❑ OS1 ❑ OS2 ❑		No. of terminated ends:
Brief overview i.e. Office/ Hotel/ Industrial/Trading Floor			

S20

Cabling

Cable tie type	Hook & Loop ☐		Nylon ☐	Other ☐
	Green	**Amber**	**Red**	**Notes**
Cable stored and protected before installation				
Adequate bundles presented Horizontal Vertical				
Cable ties fastened correctly				
Defined cable routes used				
Protected from sharp edges and damage				
Adequate containment used				
Minimum bend radii observed				
Power and Data separated				
Firestopping in place				

Copper Terminations

	Green	**Amber**	**Red**	**Notes**
Pair twist intact Patch Panel Outlet				
Cable sheath stripped back - kept to minimum				
Cable dressed into outlet correctly				
Cables anchored to Jacks				
Conductors damage free				
Terminated correctly				
Shutters operating correctly				
Patch cord - Unscreened/ Screened used correctly				
Screens terminated Jacks Patch Panels				
Patch leads installed	Cat 6$_A$ ☐ Cat 6 ☐ Cat 5e ☐			

S20

Enbeam Fibre Terminations

Termination type	Cold/Hot Melt Connectors ❑ Pigtails ❑ Mechanical ❑ Pre-terminated (inc. MTP) ❑		
Type	Fibre	Multimode ❑ Singlemode ❑	
	Connector	LC ❑ SC ❑ ST ❑ FC ❑ MTP ❑	
	Other - please specify		
	Bulkhead adapter	Multimode ❑ Singlemode ❑	

	Green	Amber	Red	Notes
Sufficient slack available Patch Panel Outlet				
Fibre supported to gland				
Gland used to secure to patch panel				
Continuity of fibre type				
Dust caps fitted where appropriate: Connectors Bulkhead adapters Blown fibre tubing				
Warning labels fitted				
Contamination free				

Environ Racks

Type	Environ CR ❑ Environ ER ❑ Environ SR ❑ Environ OR ❑ Environ WR ❑ Environ CL ❑		
	Other (specify)		

	Green	Amber	Red	Notes
Rack grounded				
Patch Panel individually bonded to rack				
Cables dressed correctly and neatly in racks				
Sufficient management bars used				

System Labelling

	Green	Amber	Red	Notes
Racks				
Patch Panel				
Cable at Patch Panel				
Telecommunications Outlet				
Cable at Telecommunications Outlet				
Labelling legible & permanent				
Clear, presentable and legible				
Labels match at both ends				
Consistent format				
No hand written labels and marker pen removed				

System Testing

Copper	
Tester used	
Configuration	Permanent Link ❑ Channel ❑
Standard	EN ❑ ISO ❑ TIA ❑
Correct NVP	
Test adapters used	
Firmware/Software version	
Fibre	
Equipment used	VFL ❑ Light source & power meter ❑ OTDR ❑
Fibre type	Multimode ❑ Singlemode ❑
	850 nm ❑ 1300nm ❑ 1310nm ❑ 1550 nm ❑

Testing *(Continued)*

	Green	Amber	Red	Notes
Fully tested				
Tester within calibration				
Results saved electronically				
Appropriate manufacturer tester software used				
Full information included (Site details, company name, operator, cable ID, etc.)				
Test Operator	Name			
	Position			

Containment

Type	Tray ❑ Basket ❑ Matting ❑ Dado ❑ None used ❑			
	Green	Amber	Red	Notes
Fit for purpose				
Condition				
Adequate for the install				
Lids fitted securely				
Securely fixed in place				
Aesthetically pleasing				
Loading				
Right Depth				
Future expansion				

S20

Notes

Actions Required

Task	Completion Date	Task Owner

Audit Completed by:

Name: .... Company: .... Date: ....

Audit Received by:

Name: .... Company: .... Date: ....