



## Presslink Category 5e Data Products



## Trust Pressac to make your data connection

Choose Pressac's complete service for voice and data products and your company couldn't be better connected. Based in Nottingham, England, Pressac is a market leader and established supplier of high quality products to the telecommunications market worldwide.

Our designers and engineers work closely with customers to transform concepts for innovative new products into finished items. This design capability is backed by the latest state-of-the-art CAD technology and the many years experience of our design team. Our skilled engineering function enables us to turn designs into successful finished products using cost-effective materials which meet stringent international standards.

Moreover our extensive manufacturing facilities including automated technology and flexible production systems allow us to satisfy the rigorous delivery demands of today's world markets.

It is this one-stop service, total product capability and the backing of the Pressac Group worldwide that sets us apart from our competitors and means we can offer our customers a complete service.

You'll find our full range of Presslink Category 5e Data Products in this brochure.

**To order, call Pressac on +44 (0)115 936 5200 and make the right connection.**

### The Presslink Category 5e System

Presslink 5e provides a complete solution for installation of a Cat5e Cabling System

- 100 ohm UTP and FTP variants
- Modular design
- Eurostyle and 6C face plate offering
- 19 inch 16, 24, 32 and 48 way patch panels
- Approved list of cables
- Presslink 125MHz high performance cable
- 20 year standards based performance warranty
- LSA or 110 punch down compatible terminations
- Independently verified to ANSI/TIA/EIA-568-B.2-1
- Pressac Registered Installer (PRI) programme

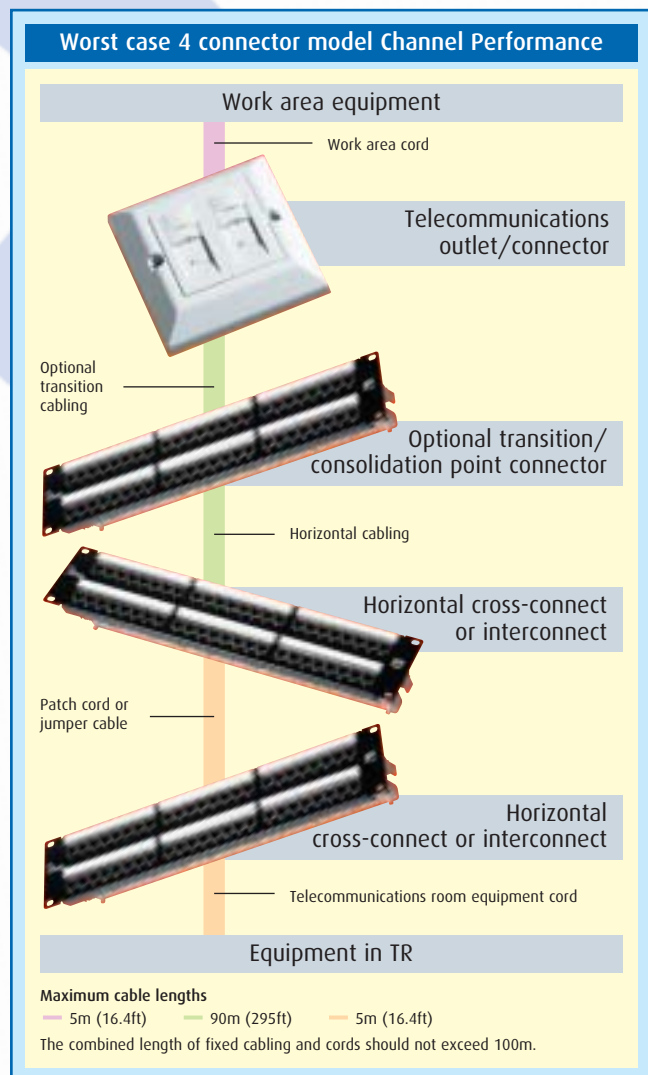
# Presslink 5e – exceptional performance

Presslink 5e far exceeds the performance requirements of ANSI/TIA/568-B-2.1 for Category 5e Cabling Systems. Well balanced connecting hardware coupled with quality selected cables gives significantly better performance over that required by the standards both in respect of linearity of response past 100MHz and the large amounts of headroom measured over absolute values required.

## Worst case 4 connector model Channel Performance

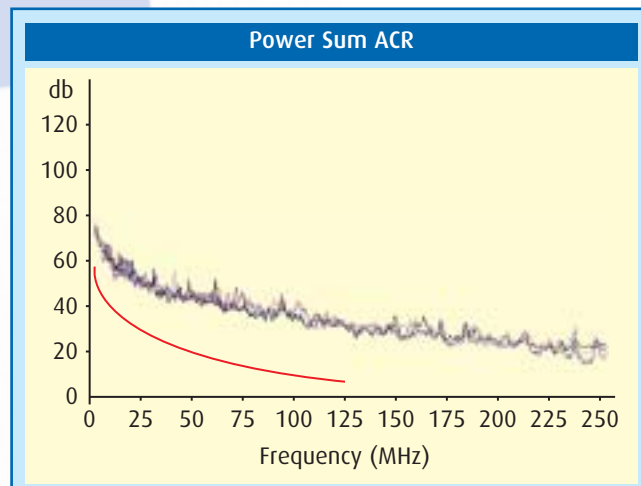
The model below is accepted by manufacturers to highlight the worst case performance that their cabling system will exhibit. Presslink 5e far exceeds the standards requirements for all measured parameters most notably the key performance parameters of return loss and PSACR.

This gives increased confidence to the installer that Presslink 5e will install correctly first time, every time and to the customer that the installation will reliably exceed it's specified performance for life.



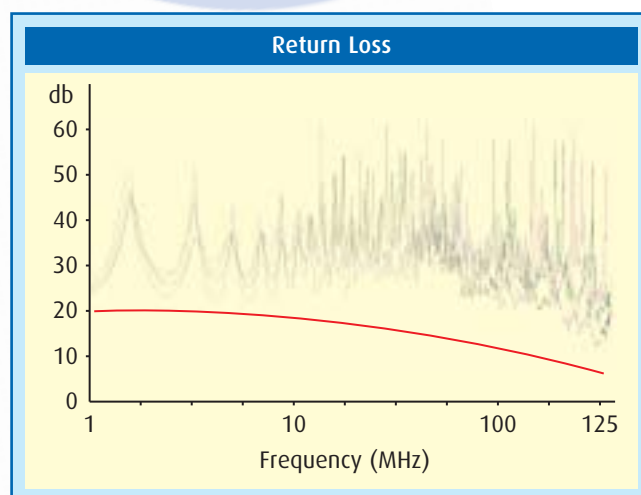
## Power Sum ACR

PSACR is a key measurement that was specified to ensure reliable transmission of Gigabit Ethernet (IEEE802.3ab). PSACR takes into account the performance of a single pair as well as the performance and influence that the other three pairs have on it. Well designed connecting hardware coupled with the excellent performance of Presslink cables ensures that the PSACR requirements of Presslink 5e are well in excess of those required by Gigabit Ethernet.



## Return Loss

Return loss is often overlooked by specifiers and installers, however it is an excellent indicator of how well the cabling system has been designed and installed. Correct matching of connecting hardware to cable over the entire frequency range as well as balance within the cable itself all contribute to good return loss. In critical applications where the full bandwidth of a system is being utilised, the headroom offered by Presslink 5e will ensure consistent and reliable performance of the network.



# performance

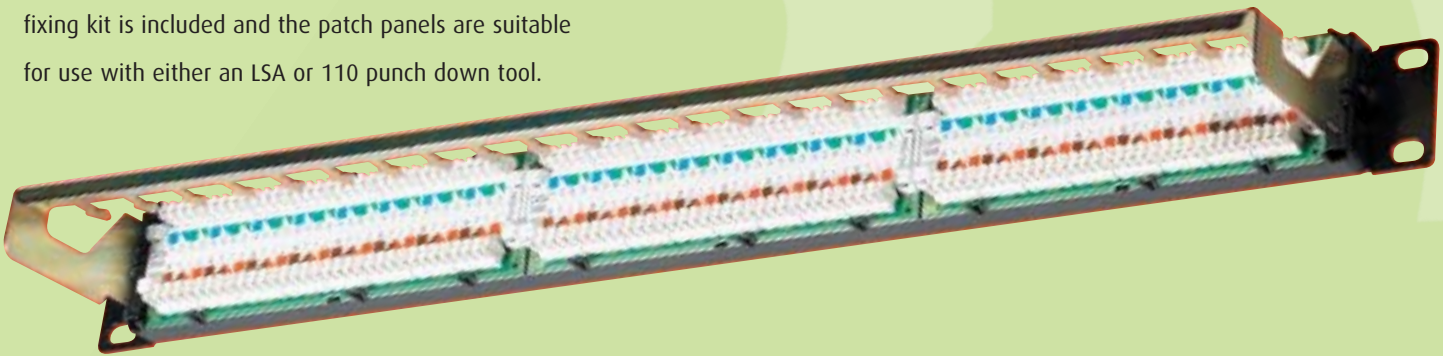
# UTP patch panels



## UTP Patch Panels

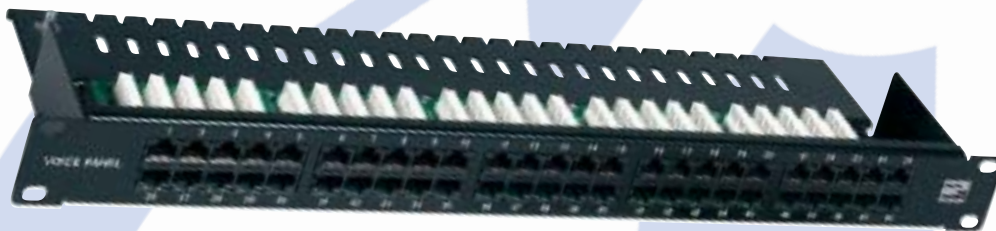
Independently tested to the TIA/EIA-568-B.2-1 standard, Pressac patch panels are available in 16, 24, 32 or 48 port versions. Labelling windows for easy port identification is a standard feature of this product, as is the removable arrow style cable management support used for tidy routing and dressing of cables. A full fixing kit is included and the patch panels are suitable for use with either an LSA or 110 punch down tool.

Description	Part Number	Dimensions (mm)
16 Way Cat5e UTP Patch Panel	D60.10689.PSOXX	1U 483x88x44
24 Way Cat5e UTP Patch Panel	D60.10691.PSOXX	1U 483x88x44
32 Way Cat5e UTP Patch Panel	D60.10690.PSOXX	2U 483x88x86
48 Way Cat5e UTP Patch Panel	D60.10692.PSOXX	2U 483x88x86



## 50 Way Voice Panel

The 50 way voice patch panel provides terminations for 50 voice ports in a 1U format. Each port has the provision for 3 pairs to be wired using industry standard LSA/110 compatible connectors. Cat 3 compatible.



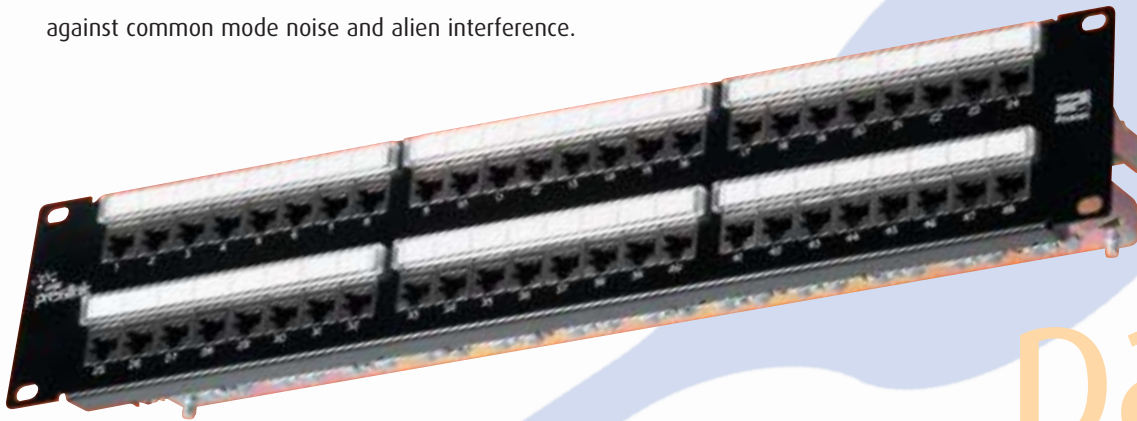
### Pin-Out arrangements

RJ45	IDC
1	1
2	2
3	3
4	4
5	5
6	6
7	-
8	-

For more information or to order telephone Pressac on +44 (0) 115 936 5200

## Cat5e FTP Patch Panels

The FTP 'Shielded' Cat5e patch panels have all the features of the UTP equivalents yet provide exceptional performance against common mode noise and alien interference.



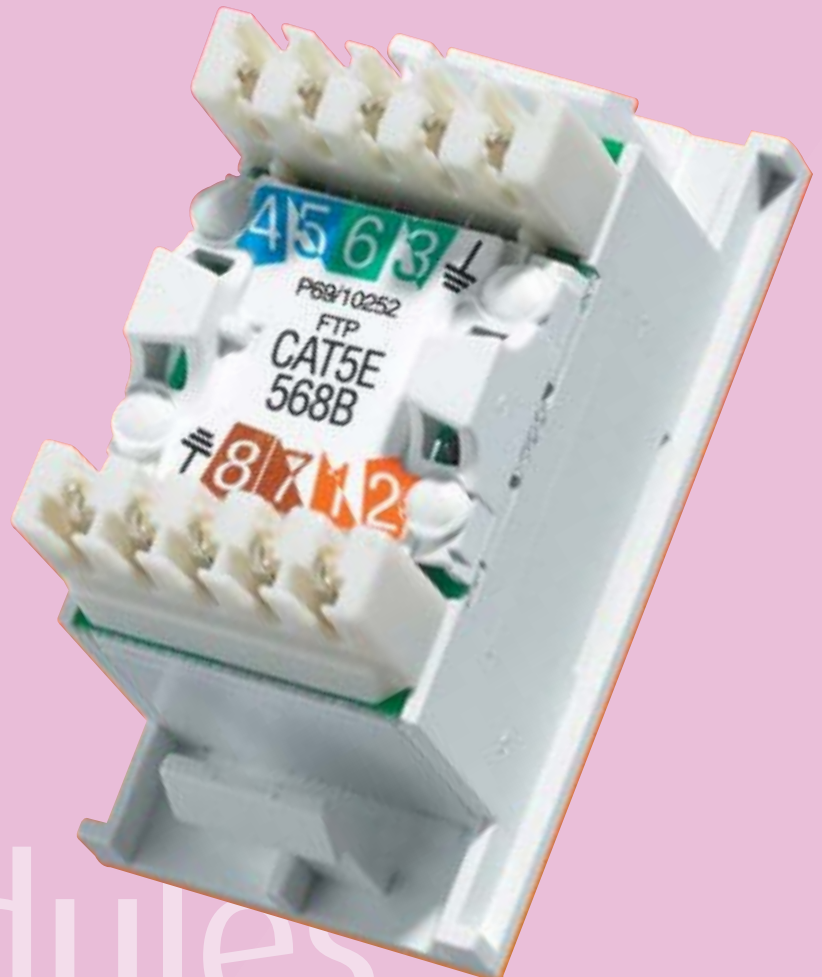
Description	Part Number	Dimensions (mm)
16 Way Cat5e FTP Patch Panel	D60.20689.PS0XX	1U 483x88x44
24 Way Cat5e FTP Patch Panel	D60.20691.PS0XX	1U 483x88x44
48 Way Cat5e FTP Patch Panel	D60.20692.PS0XX	2U 483x88x86

# Cat5e FTP patch panels

## FTP Modules

The FTP range of modules offer exceptional performance combined with ease of use. They are compatible with the Eurostyle and 6C range of faceplates. Connection of the FTP drain wire is via an additional IDC contact.

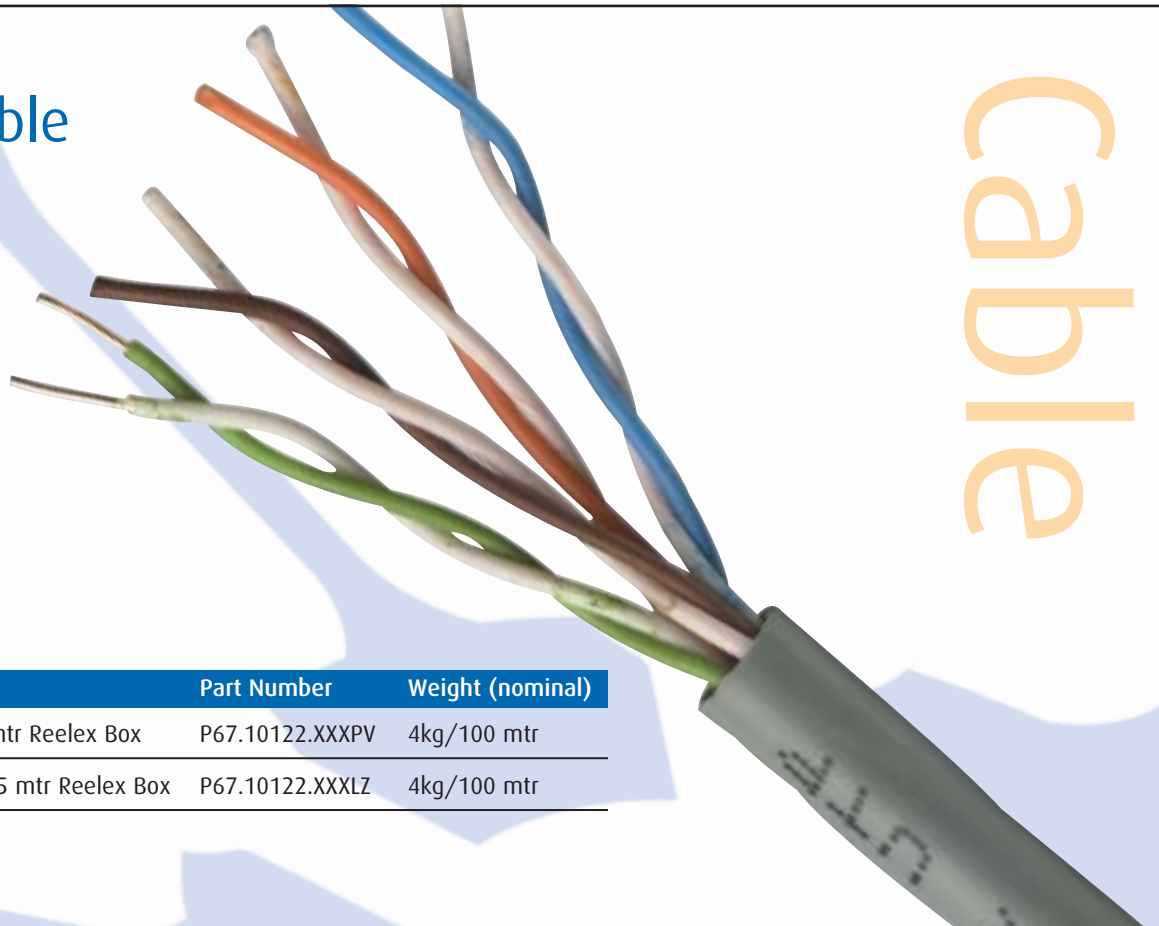
Description	Part Number	Dimensions (mm)
6C Module	D60.20674.PS9XX	39x25x35
Euro Module	D60.20684.PS9XX	50x25x35



# FTP Modules

## Cat5e UTP Cable

The Presslink Plus 125 MHz range of unshielded cables are designed to enhance Cat5e Permanent and Channel link performance. Well defined Power Sum of NExT, FExT and Delay Skew performance up to 125 MHz, is far in excess of the required standard.



# Cable

Description	Part Number	Weight (nominal)
4pr UTP, Cat5e PVC Grey 305 mtr Reelex Box	P67.10122.XXXPV	4kg/100 mtr
4pr UTP, Cat5e LS0H Purple 305 mtr Reelex Box	P67.10122.XXXLZ	4kg/100 mtr

# UTP patch cords

## UTP Patch Cords

Pressac UTP patch cords are available in lengths of 0.5m, 1m, 2m, 3m or 5m with five colour options; red, yellow, green, blue or grey. Each patch cord is fitted with boots to protect the latch during installation and is tested to specification TIA/EIA-568-B.2-1 ensuring quality.

Description	Part Number
0.5m UTP patch cord	D60.10701.D5XX
1m UTP patch cord	D60.10701.01XX
2m UTP patch cord	D60.10701.02XX
3m UTP patch cord	D60.10701.03XX
5m UTP patch cord	D60.10701.05XX

Substitute the last 2 XX's with colour code required:-  
BU - Blue, GN - Green, RD - Red, YW - Yellow, GY - Grey.



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## Cat5e FTP Cable

The Presslink Plus 125 MHz range of FTP screened cables are designed to enhance Cat5e Permanent and Channel link performance. Well defined Power Sum of NEXT, FEXT and Delay Skew performance up to 125 MHz, is far in excess of the required standard. FTP cable offers a high level of protection against interference when used in an FTP system.



Description	Part Number	Weight (nominal)
4pr FTP, Cat5e PVC Grey 305 mtr Reelex Box	P67.10115.XXXPV	4kg/100 mtr
4pr FTP, Cat5e L50H Purple 305 mtr Reelex Box	P67.10115.XXXLZ	4kg/100 mtr

## FTP Patch Cords

Presslink FTP patch cords are designed and tested to meet ANSI/TIA/EIA 568B.2-1 standards. FTP patch cords offer a high level of protection against interference when used in an FTP system.

Description	Part Number
1mtr FTP Patch Cord	D60.20701.01GY
2mtr FTP Patch Cord	D60.20701.02GY
3mtr FTP Patch Cord	D60.20701.03GY
5mtr FTP Patch Cord	D60.20701.05GY



# FTP patch cords



## Line Adapters

Plugging directly into an RJ45 socket, converting it to a standard BT voice outlet, Pressac line adapters can be corded or fixed and are available in either PSTN Master, PBX Master or Secondary versions.

Manufactured in ABS, the fixed line adapters lock into place so as not to be accidentally removed. Coded adapters have a 170mm flying lead between the RJ45 plug and housing.

Corded Line Adapters	Part Number	Dimensions (mm)
PSTN Master	D60.10496	24x22x255
PBX Master	D60.10495	24x22x255
Secondary	D60.10497	24x22x255

Fixed Line Adapters	Part Number	Dimensions (mm)
PSTN Master	D60.10488	52x22x44
PBX Master	D60.10487	52x22x44
Secondary	D60.10489	52x22x44

# line adapters

# Eurostyle Face Plates and Blanking Plates

The Eurostyle face plates are available with either single, double or quadruple apertures and are designed to take the full range of Eurostyle snap in adapters. These are complemented with the Eurostyle blanking plates, available in either half, single or double. Face plates and blanking plates are made from V0-ABS with a white high gloss finish. All face plates are supplied with fixing screws for easy installation.

Face Plate	Part Number	Dimensions (mm)
Single	D60.10317	85x85x10 (aperture 25x50)
Double	D60.10318	85x85x10 (aperture 50x50)
Quadruple	D60.10319	85x147x10 (aperture 100x50)

Blanking Plates	Part Number	Dimensions (mm)
Half	D62.10138	50x12.5
Single	D62.10106	50x25
Double	D62.10139	50x50



# eurostyle

## Eurostyle Bevelled Face Plates

Eurostyle bevelled face plates are designed to accept the full range of Presslink 5e Eurostyle modules. With an increased depth of mounting, they effectively reduce the profile of an installed module by 8 mm, beneficial where modules are mounted in trunking and the amount of space available for installed cable is tight.

- Manufactured in high gloss V0-ABS material
- Available with double or quadruple apertures
- Supplied with M3.5 fixing screws for convenient installation

Face Plate	Part No.	Dimensions (mm)
Double	46.00074	86x86x18 (aperture 50x50)
Quadruple Bevelled	46.00075	86x147x18 (aperture 100x50)





## Eurostyle Cat5e RJ45 Module

Manufactured in ABS and finished in white high gloss, the Eurostyle RJ45 module is available with a fully shuttered front aperture, and are designed to fit in to the Eurostyle range of face plates. The RJ45 module comes complete with external white adhesive identification and internal 568A/B wiring schedule labels. Designed with a class leading low profile it is also provided with a cable tie feature.

Description	Part Number	Dimensions (mm)
RJ45 Cat5e	D60.10684.PS9XX	50x25x19



## Eurostyle RJ11 Module

The Eurostyle RJ11 module is compatible with the Eurostyle face plates. Manufactured in ABS material with a white high gloss finish, the RJ11 module has a fully shuttered front aperture and an external white adhesive identification label. Termination is via a 3 way 238A IDC connectors.

Description	Part Number	Dimensions (mm)
RJ11	D60.10592	50x25x20



## Eurostyle ISDN Modules

The Eurostyle ISDN modules, compatible with the Eurostyle range of face plates, are available in either terminated (blue shutter) or unterminated versions. Wire connection is via LSA/110 compatible IDC connectors.

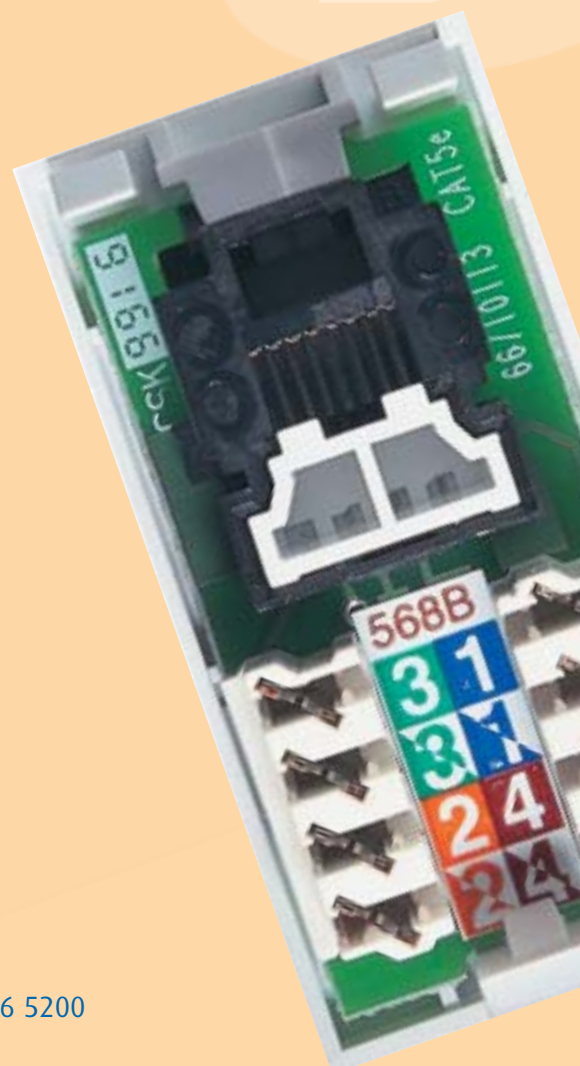
Description	Part Number	Dimensions (mm)
ISDN Terminated	D60.10590.PSXXX	50x25x19
ISDN Unterminated	D60.10589.PSXXX	50x25x19



## Eurostyle BT Outlets

The Pressac range of Eurostyle BT outlets are compatible with the Eurostyle face plate range. Available as Master, PBX Master or Secondary each features 238A IDC connectors and external labelling features. Manufactured in ABS material, they have a white high gloss finish.

Description	Part Number	Dimensions (mm)
PSTN Master	D60.10593	50x25x20
PBX Master	D60.10594	50x25x20
Secondary	D60.10595	50x25x20



# Eurostyle Angled Module

The Angled Eurostyle Cat5e module is designed to snap into the eurostyle range of faceplates. Entry to the jack is angled downwards to reduce the chance of cord snagging or accidental removal.



Description	Part Number	Dimensions (mm)
Angled Eurostyle Cat5e Module	D60.10906.PS9XX	50x25x45

# 6C

## 6C Face Plates and Blanking Plates

Designed to take the Pressac 6C range of snap in modules, the 6C range of face plates and blanking plates are made from V0-ABS material with a high white gloss finish. Each face plate is supplied with 2 fixing screws for convenient installation.

Face Plates	Part Number	Dimensions (mm)
Single	D60.10353	85 x 85x10 (1 aperture 25x38.5)
Double	D60.10354	85 x 85x10 (2 apertures 25x38.5)
Quadruple	D60.10355	85 x 147x10 (4 apertures 25x38.5)
Blanking plate	D62.10190	25x38.5

## 6C RJ45 Snap In Module

Made from ABS material and finished in white high gloss, the 6C RJ45 modules are available with a fully shuttered front aperture, and are designed to fit in to the 6C range of face plates or industry standard floor boxes. The RJ45 module comes complete with external white adhesive identification and internal 568A/B wiring schedule labels. The IDC connectors will accept either LSA or 110 punch down tool.

Description	Part Number	Dimensions (mm)
Cat5e RJ45 6C module	D60.10674	25x38.5x19



## Training

Pressac has an In-house training centre which can accommodate training for installation companies, specifier's and consultants.

Pressac Registered Installers (PRI) are invited to attend training courses presented by our own BICSI RCDD qualified trainers, ideally suited for parties of eight persons.

Courses can be tailored to cover copper and optical fibre installation as well as design practices.

One day 'Guide to Structured Cabling' courses can also be offered by your local Pressac distribution company.



## Warranty

### The 20 year warranty

Pressac have designed and manufactured leading high quality telecommunications and data communications products for over twenty years. To ensure that the end user has total 'Peace of Mind' and that their future needs are met, we offer the following guarantee for Presslink 5e structured cabling solutions.

### 20 Year Product Warranty

The 20 year product warranty guarantees all connectivity and installed cable products supplied under the Presslink 5e brand and used within an end to end Pressac structured cabling solution.

Pressac guarantee to repair or replace any product which is proved to be defective in material or workmanship for a 20 year period from the date of installation, provided that it has been installed by a current approved Pressac Registered Installer (PRI) in accordance with industry standards.

### 20 Year System Performance Warranty

The 20 year system performance warranty warrants that a Pressac 'Presslink 5e' structured cabling solution, when installed by a Pressac Registered Installer (PRI) in accordance to industry installation standards, will support any of the appropriate ratified transmission protocols designed to operate with the appropriate solution. In the event of a failure in the solution which can be proven as a functional defect in any of the components or cable, Pressac will guarantee to either refund the replacement or repair the defective part(s) of the system at no cost to the customer or installer. This warranty is in addition to the 20 year product warranty.

To be eligible for the warranty of a Pressac 'Presslink 5e' 20 year warranty only 'Presslink 5e' cables may be used within the solution.

An approved list of Pressac Cable Partners is available which are accompanied by a 15 year warranty programme.



**Pressac**

Pressac Communications Limited  
Glaisdale Drive West  
Bilborough  
Nottingham  
NG8 4GY

Tel: +44 (0) 115 936 5200  
Fax: +44 (0) 115 936 5252  
E-mail: [sales@presscomm.co.uk](mailto:sales@presscomm.co.uk)

Technical Support  
Tel: +44 (0) 115 936 5222  
E-mail: [tech.support@presscomm.co.uk](mailto:tech.support@presscomm.co.uk)

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