Technical Data

Telephone And Data Outlets

Brief product description:

The subtle design will blend with any décor - suitable for domestic or commercial installations.

Features:

- Stylish modern profile
- Easy installation
- Covers to conceal fixing screws

Product Images

8BTM/1, 8BTS/1
8BTM1/1, 8BTSI/1
8RJ11/1

8BTM/2, 8BTS/2
8BTM1/2, 8BTSI/2
8RJ11/2

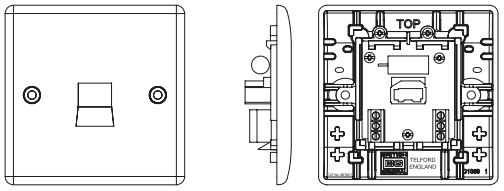
8RJ45/1

8RJ45/2

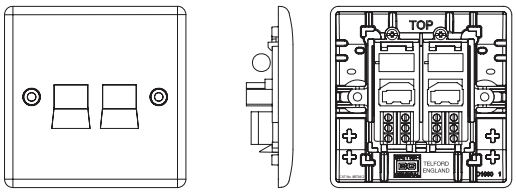
Technical Specifications

Standard(s)	BS 6312-2 where applicable
ASTA Approval	Telephone Sockets: License Number 1018
	Data Sockets: License Number 1163
Socket Type	BT (8BTM/1, 8BTM/2, 8BTS/1, 8BTS/2 products)
	BT (8BTMI/1, 8BTMI/2, 8BTSI/1, 8BTSI/2 products)
	RJ11 (8RJ11/1, 8RJ11/2 products)
	RJ45 (8RJ45/1, 8RJ45/2 products)
Terminal Type	Screwed (8BTM/1, 8BTM/2, 8BTS/1, 8BTS/2, 8RJ11/1, 8RJ11/2 products)
	IDC (8BTMI/1, 8BTMI/2, 8BTSI/1, 8BTSI/2, 8RJ45/1, 8RJ45/2 products)
RoHS Directive	No
WEEE Directive	No
Mounting Box Depth(Min)	25mm (8BTM/1, 8BTM/2, 8BTS/1, 8BTS/2 products)
	25mm (8BTMI/1, 8BTMI/2, 8BTSI/1, 8BTSI/2 products)
	35mm (8RJ11/1, 8RJ11/2, 8RJ45/1, 8RJ45/2 products)
Fixing Centres	60.3mm
Size	86mm x 86mm x 22mm (8BTM/1, 8BTM/2, 8BTS/1, 8BTS/2 products)
	86mm x 86mm x 22mm (8BTMI/1, 8BTMI/2, 8BTSI/1, 8BTSI/2 products)
	86mm x 86mm x 30mm (8RJ11/1, 8RJ11/2 products)
	86mm x 86mm x 36mm (8RJ45/1, 8RJ45/2 products)

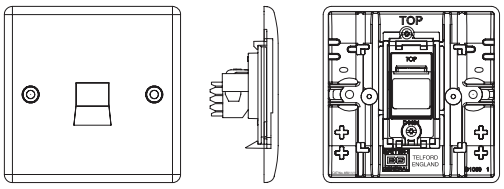
Line Diagrams



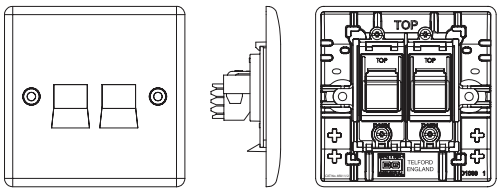
8BTM/1, 8BTS/1
8BTM1/1, 8BTSI/1



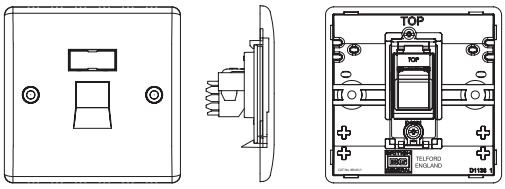
8BTM/2, 8BTS/2
8BTM1/2, 8BTSI/2



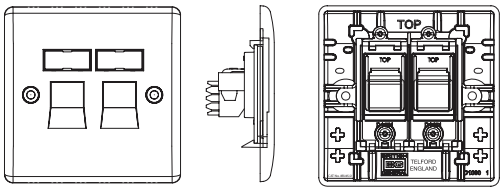
8RJ11/1



8RJ11/2



8RJ45/1



8RJ45/2

Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
8BTM/1	1G, Tel Socket Master	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002295	5050765002301	5050765002318
8BTM/2	2G, Tel Socket Master	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002325		5050765002349
8BTS/1	1G, Tel Socket Slave	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002417	5050765002424	5050765002431
8BTS/2	2G, Tel Socket Slave	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002448	5050765002455	5050765002462
8BTMI/1	1G, Tel Socket Master	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002233		
8BTMI/2	2G, Tel Socket Maste	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002264		5050765002349
8BTSI/1	1G, Tel Socket Slave	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002356	5050765002424	5050765002431
8BTSI/2	2G, Tel Socket Slave	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002387	5050765002455	5050765002462
8RJ11/1	1G, RJ11 Tel Socket	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002479	5050765002486	5050765002493
8RJ11/2	2G, RJ11 Tel Socket	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002509	5050765002516	5050765002523
8RJ45/1	1G, RJ45 Tel Socket	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002530	5050765002547	5050765002554
8RJ45/2	2G, RJ45 Tel Socket	Nexus PolyBag	Nexus Inner	Nexus Outer	1	10	100	5050765002561	5050765002578	5050765002585

Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CBM (m^3)
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
8BTM/1	1G, Tel Socket Master	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	72	714	8000	0.02
8BTM/2	2G, Tel Socket Master	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	63	730	7680	0.02
8BTS/1	1G, Tel Socket Slave	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	68	714	7600	0.02
8BTS/2	2G, Tel Socket Slave	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	72	754	8000	0.02
8BTMI/1	1G, Tel Socket Master	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	62	854	9000	0.02
8BTMI/2	2G, Tel Socket Maste	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	71	914	9600	0.02
8BTSI/1	1G, Tel Socket Slave	8.6 x 8.6 x 2.7	12.5 x 18 x 9.2	26 x 49.5 x 19	81	784	8300	0.02
8BTSI/2	2G, Tel Socket Slave	8.6 x 8.6 x 2.7	18 x 22.5 x 9.2	26 x 49.5 x 19	70	854	9000	0.02
8RJ11/1	1G, RJ11 Tel Socket	9.2 x 9.2 x 3.65	16.8 x 18 x 9.2	35 x 49.5 x 19	70	758	8200	0.03
8RJ11/2	2G, RJ11 Tel Socket	9.2 x 9.2 x 3.65	16.8 x 18 x 9.2	35 x 49.5 x 19	74	878	9400	0.03
8RJ45/1	1G, RJ45 Tel Socket	9.2 x 9.2 x 4.1	19 x 18 x 9.2	39 x 49.5 x 19	73	825	9000	0.03
8RJ45/2	2G, RJ45 Tel Socket	9.2 x 9.2 x 4.1	19 x 18 x 9.2	39 x 49.5 x 19	69	825	9000	0.03

Telephone And Data Outlets

Installation Information

Safety Warning

Before use please read and carefully use in accordance with these safety wiring instructions.

To ensure a satisfactory operation these products should be installed by a competent person. If in doubt seek advice from a qualified engineer.

These products should not be installed into the same enclosure containing mains exceeding 50V. Avoid running the telecom cable within 50mm of mains electrical cable.

Socket Types

1. Master – Intended for use as the first socket outlet on a direct exchange line as the primary Network Terminal Point

The socket is surge protected as per the OFTEL requirements as defined in BS6312.

Technical Helpline: 03300 249 279
If in doubt consult a competent electrician.

2. Secondary/Slave – Used in installations as extension sockets when connected on the same line in parallel with a master socket.

Both Master and Secondary/Slave sockets available with screw or IDC termination.

General Installation Instructions

1. Select the appropriate size of mounting box (metal or patress) for either flush of surface mounting. Remove the fixing screws and screw covers from the rear of the product.
2. Ensure that the mounting box is securely fixed and free of any plaster lumps and projecting screws in the central areas of the box.
3. Route the cable through the most suitable entry point of the mounting box. If a metal box is used, ensure that a protective cable grommet is fitted. All wiring must use single core telecoms cable.
4. Carefully arrange the cable(s) so as to lie along the edges of the product or box, keeping the central area clear. The cable should be cut to a sufficient length for connection.
5. Carefully remove 50mm of the telephone cable outer sheath to expose the inner insulated conductors.
6. To assist with the correct installation of this product please consult the appropriate wiring diagram. Terminals 1 and 6 are frequently unused, 2 pair (4 wires) cable may be used in these installations.
7. Carefully position the connected unit into the wall box, ensuring that the cable does not have any sharp bends or is not trapped between the plate and the wall. Fully secure using the fixing screws provided, being careful not to overtighten the screws.
8. Push in the screw covers to conceal the fixing screws.

IDC Type Connection

Using a suitable IDC push each lead into the appropriate IDC terminal according to the BT Wiring Scheme below. Trim off any excess inner conductors protruding from the IDC terminals.

Screw Type Connection

The ends of the individual conductors should have the insulation removed by approx. 8mm. Connect each wire as per the BT Wiring Scheme below. Ensure that only the bare end of the wire enters the terminal, and that no bare wires are visible. Always tighten the terminal screws securely.

BT Wiring Scheme

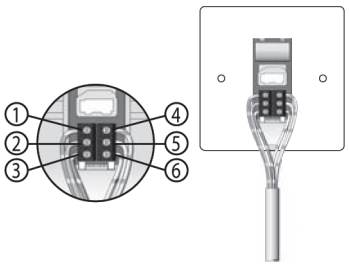
Terminal / Line	Colour
1	Green with White rings
2	Blue with White rings
3	Orange with White rings
4	White with Orange rings
5	White with Blue rings
6	White with Green rings

***Note** - An existing installation may use a different wiring colour code system. It is essential that the new product is wired up in the same way as the old one.

The simplest way is either to label each conductor with the location of the terminal to which it connects as you release it or to transfer one conductor at a time to the corresponding terminal on the new product.

1 Gang Telephone Socket

For both Master and Secondary/Slave sockets connect the wires as shown in the diagram below. (Master, screw type socket shown)

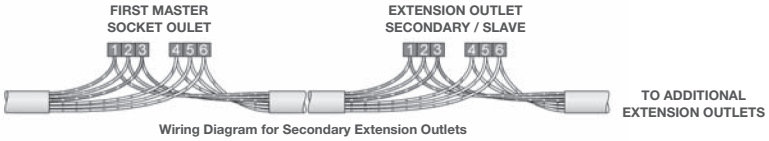


Installation Instructions For Adding Secondary Extension Outlets

Although as many secondary/slave sockets can be used as desired, a normal limit of 4 RENS can be used for 1 line. One telephone normally equating to 1 REN. This REN value can usually be found on the device.

Additional outlets should be wired in parallel with the existing installation, i.e Terminal 1 on master socket to terminal 1 on slave socket, terminal 2 to Terminal 2, etc. Please refer to the diagram below for guidance.

Extension sockets may be connected to the master socket by a maximum of 50m of cable. The total length of wiring that may be used including all branches should not exceed 100m.

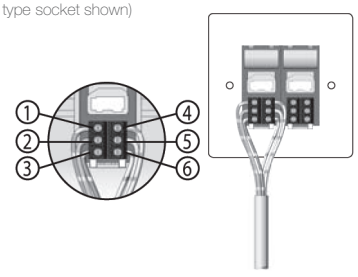


Wiring Diagram for Secondary Extension Outlets

2 Gang Telephone Socket - Screw Terminal

For both Master and Secondary/Slave sockets connect the cables as shown in the diagram below. Socket provides two separate outlets from two separate inputs.

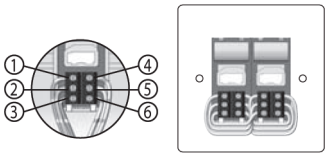
(Master screw type socket shown)



2 Gang Double Telephone Socket

To create a double socket – two outputs from one input, a connection is required to be made between similar terminals. Connect your input to one set of terminals.

Prepare a suitable length of telephone wire, and connect between like terminals – 1 to 1, 2 to 2 etc. (Screw type socket shown)

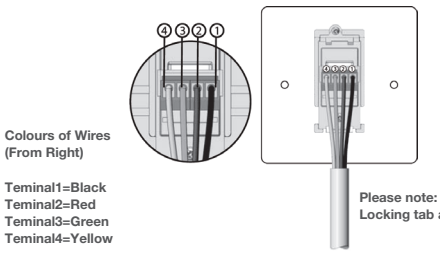


Telephone And Data Outlets

Installation Information

1 Gang RJ11 Telephone Socket

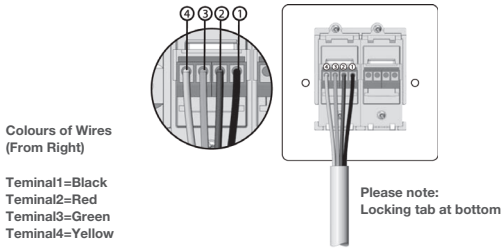
Connect the cables as shown in the diagram.



2 Gang RJ11 Telephone Socket

Connect the cables as shown in the diagram below.

Socket provides two seperate outlets from two seperate inputs



Data Outlet Connection Type

Eight-conductor data cable contains 4 pairs of wires. Each pair consists of a solid coloured wire and a white wire with a stripe of the same colour. The pairs are twisted together. To maintain reliability on Ethernet, you should not untwist them any more than necessary approx 1 cm.

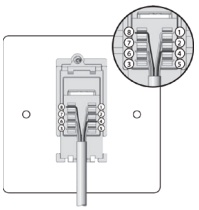
There are two wiring standards for these cables, called "T-568A" and T-568B". They differ only in connection sequence, not in use of the various colours. Please refer to the table for correct pin designations.

Pin	T568B	T568A
1	White/Orange	White/Green
2	Orange	Green
3	White/Green	White/Orange
4	Blue	Blue
5	White/Blue	White/Blue
6	Green	Orange
7	White/Brown	White/Brown
8	Brown	Brown

T568A - colour coding used for Cross-over cabling
T568B - colour coding used for normal network cabling

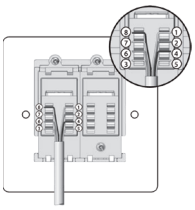
1 Gang RJ45 Data Outlet

Connect the cables as shown in the diagram.



2 Gang RJ45 Data Outlet

Connect the cables as shown in the diagram below.



Technical Data

Telephone And Data Outlets

Brief product description:

A standard range of white moulded wall accessories offering superb quality and exceptional value.

Features:

- A standard design - suitable for domestic or commercial installations.

Product Images

9BTM/1, 9BTS/1
9BTM1/1, 9BTSI/1
9RJ11/1

9BTM/2, 9BTS/2
9BTM1/2, 9BTSI/2
9RJ11/2

9RJ45/1

9RJ45/2

Technical Specifications

Standard(s)	BS 6312-2 where applicable
ASTA Approval	Telephone Sockets: License Number 1018
	Data Sockets: License Number 1163
Socket Type	BT (9BTM/1, 9BTM/2, 9BTS/1, 9BTS/2 products)
	BT (9BTMI/1, 9BTMI/2, 9BTSI/1, 9BTSI/2 products)
	RJ11 (9RJ11/1, 9RJ11/2 products)
	RJ45 (9RJ45/1, 9RJ45/2 products)
Terminal Type	Screwed (9BTM/1, 9BTM/2, 9BTS/1, 9BTS/2, 9RJ11/1, 9RJ11/2 products)
	IDC (9BTMI/1, 9BTMI/2, 9BTSI/1, 9BTSI/2, 9RJ45/1, 9RJ45/2 products)
RoHS Directive	No
WEEE Directive	No
Mounting Box Depth(Min)	25mm (9BTM/1, 9BTM/2, 9BTS/1, 9BTS/2 products)
	25mm (9BTMI/1, 9BTMI/2, 9BTSI/1, 9BTSI/2 products)
	35mm (9RJ11/1, 9RJ11/2, 9RJ45/1, 9RJ45/2 products)
Fixing Centres	60.3mm
Size	86mm x 86mm x 22mm (9BTM/1, 9BTM/2, 9BTS/1, 9BTS/2 products)
	86mm x 86mm x 22mm (9BTMI/1, 9BTMI/2, 9BTSI/1, 9BTSI/2 products)
	86mm x 86mm x 30mm (9RJ11/1, 9RJ11/2 products)
	86mm x 86mm x 36mm (9RJ45/1, 9RJ45/2 products)

Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
9BTM/1	1G, Tel Socket Master	Plain Bag	Plain Inner	Plain Outer	1	10	100	5050765100243	5021166034093	5021166034086
9BTM/2	2G, Tel Socket Master	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166034000	5021166044092	5021166044085
9BTS/1	1G, Tel Socket Slave	Plain Bag	Plain Inner	Plain Outer	1	10	100	5050765100274	5021166036097	5021166036080
9BTS/2	2G, Tel Socket Slave	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166044009	5021166046096	5021166046089
9BTMI/1	1G, Tel Socket Master	Plain Bag	Plain Inner	Plain Outer	1	10	100		5021166031092	5021166031085
9BTMI/2	2G, Tel Socket Maste	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166041008	5021166041091	5021166041084
9BTSI/1	1G, Tel Socket Slave	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166033003	5021166033096	5021166033089
9BTSI/2	2G, Tel Socket Slave	Plain Bag	Plain Inner	Plain Outer	1	10	100		5021166043095	5021166043088
9RJ11/1	1G, RJ11 Tel Socket	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166967001	5021166967094	5021166967087
9RJ11/2	2G, RJ11 Tel Socket	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166968008	5021166968091	5021166968084
9RJ45/1	1G, RJ45 Tel Socket	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166045105	5021166045198	5021166045181
9RJ45/2	2G, RJ45 Tel Socket	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166045204	5021166045297	5021166045280

Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CBM (m^3)
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
9BTM/1	1G, Tel Socket Master	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	70	700	8370	0.02
9BTM/2	2G, Tel Socket Master	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	74	740	8730	0.02
9BTS/1	1G, Tel Socket Slave	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	65	650	7920	0.02
9BTS/2	2G, Tel Socket Slave	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	65	650	7920	0.02
9BTMI/1	1G, Tel Socket Master	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	70	700	8550	0.02
9BTMI/2	2G, Tel Socket Maste	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	74	740	8730	0.02
9BTSI/1	1G, Tel Socket Slave	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	66	660	7470	0.02
9BTSI/2	2G, Tel Socket Slave	9.2 x 9.2 x 2.7	12.8 x 16 x 9.2	26.6 x 48.3 x 16.7	74	740	8730	0.02
9RJ11/1	1G, RJ11 Tel Socket	9.2 x 9.2 x 3.65	16 x 17 x 9.2	32.5 x 48.1 x 17.6	70	700	8800	0.02
9RJ11/2	2G, RJ11 Tel Socket	9.2 x 9.2 x 3.65	16 x 17 x 9.2	32.5 x 48.1 x 17.6	85	850	10000	0.02
9RJ45/1	1G, RJ45 Tel Socket	9.2 x 9.2 x 4.1	16 x 19.8 x 9.2	32.8 x 48.5 x 20.5	60	600	8500	0.03
9RJ45/2	2G, RJ45 Tel Socket	9.2 x 9.2 x 4.1	16 x 19.8 x 9.2	32.8 x 48.5 x 20.5	60	600	8500	0.03

Installation Information

Safety Warning

Before use please read and carefully use in accordance with these safety wiring instructions.

To ensure a satisfactory operation these products should be installed by a competent person. If in doubt seek advice from a qualified engineer.

These products should not be installed into the same enclosure containing mains exceeding 50V. Avoid running the telecom cable within 50mm of mains electrical cable.

Socket Types

1. Master – Intended for use as the first socket outlet on a direct exchange line as the primary Network Terminal Point

The socket is surge protected as per the OFTEL requirements as defined in BS6312.

Technical Helpline: 03300 249 279
If in doubt consult a competent electrician.

2. Secondary/Slave – Used in installations as extension sockets when connected on the same line in parallel with a master socket.

Both Master and Secondary/Slave sockets available with screw or IDC termination.

General Installation Instructions

1. Select the appropriate size of mounting box (metal or patress) for either flush of surface mounting. Remove the fixing screws and screw covers from the rear of the product.
2. Ensure that the mounting box is securely fixed and free of any plaster lumps and projecting screws in the central areas of the box.
3. Route the cable through the most suitable entry point of the mounting box. If a metal box is used, ensure that a protective cable grommet is fitted. All wiring must use single core telecoms cable.
4. Carefully arrange the cable(s) so as to lie along the edges of the product or box, keeping the central area clear. The cable should be cut to a sufficient length for connection.
5. Carefully remove 50mm of the telephone cable outer sheath to expose the inner insulated conductors.
6. To assist with the correct installation of this product please consult the appropriate wiring diagram. Terminals 1 and 6 are frequently unused, 2 pair (4 wires) cable may be used in these installations.
7. Carefully position the connected unit into the wall box, ensuring that the cable does not have any sharp bends or is not trapped between the plate and the wall. Fully secure using the fixing screws provided, being careful not to overtighten the screws.
8. Push in the screw covers to conceal the fixing screws.

Telephone And Data Outlets

Installation Information

IDC Type Connection

Using a suitable IDC push each lead into the appropriate IDC terminal according to the BT Wiring Scheme below. Trim off any excess inner conductors protruding from the IDC terminals.

Screw Type Connection

The ends of the individual conductors should have the insulation removed by approx. 8mm. Connect each wire as per the BT Wiring Scheme below. Ensure that only the bare end of the wire enters the terminal, and that no bare wires are visible. Always tighten the terminal screws securely.

BT Wiring Scheme

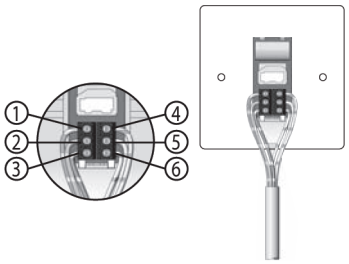
Terminal / Line	Colour
1	Green with White rings
2	Blue with White rings
3	Orange with White rings
4	White with Orange rings
5	White with Blue rings
6	White with Green rings

***Note** - An existing installation may use a different wiring colour code system. It is essential that the new product is wired up in the same way as the old one.

The simplest way is either to label each conductor with the location of the terminal to which it connects as you release it or to transfer one conductor at a time to the corresponding terminal on the new product.

1 Gang Telephone Socket

For both Master and Secondary/Slave sockets connect the wires as shown in the diagram below. (Master, screw type socket shown)

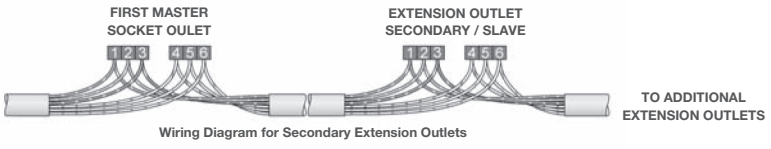


Installation Instructions For Adding Secondary Extension Outlets

Although as many secondary/slave sockets can be used as desired, a normal limit of 4 RENS can be used for 1 line. One telephone normally equating to 1 REN. This REN value can usually be found on the device.

Additional outlets should be wired in parallel with the existing installation, i.e Terminal 1 on master socket to terminal 1 on slave socket, terminal 2 to Terminal 2, etc. Please refer to the diagram below for guidance.

Extension sockets may be connected to the master socket by a maximum of 50m of cable. The total length of wiring that may be used including all branches should not exceed 100m.

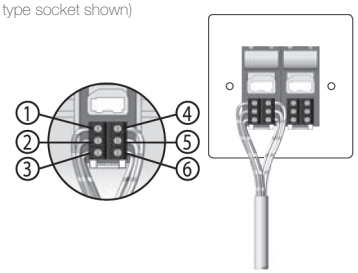


Wiring Diagram for Secondary Extension Outlets

2 Gang Telephone Socket - Screw Terminal

For both Master and Secondary/Slave sockets connect the cables as shown in the diagram below. Socket provides two separate outlets from two separate inputs.

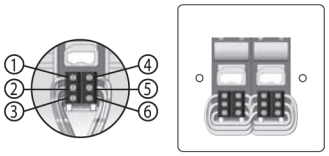
(Master screw type socket shown)



2 Gang Double Telephone Socket

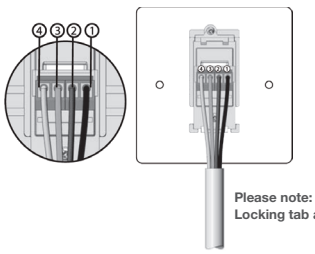
To create a double socket – two outputs from one input, a connection is required to be made between similar terminals. Connect your input to one set of terminals.

Prepare a suitable length of telephone wire, and connect between like terminals – 1 to 1, 2 to 2 etc. (Screw type socket shown)



1 Gang RJ11 Telephone Socket

Connect the cables as shown in the diagram.



Colours of Wires (From Right)

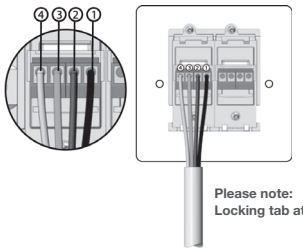
Teminal1=Black
Teminal2=Red
Teminal3=Green
Teminal4=Yellow

Please note:
Locking tab at bottom

2 Gang RJ11 Telephone Socket

Connect the cables as shown in the diagram below.

Socket provides two seperate outlets from two seperate inputs



Colours of Wires (From Right)

Teminal1=Black
Teminal2=Red
Teminal3=Green
Teminal4=Yellow

Please note:
Locking tab at bottom

Installation Information

Data Outlet Connection Type

Eight-conductor data cable contains 4 pairs of wires. Each pair consists of a solid coloured wire and a white wire with a stripe of the same colour. The pairs are twisted together. To maintain reliability on Ethernet, you should not untwist them any more than necessary approx 1 cm.

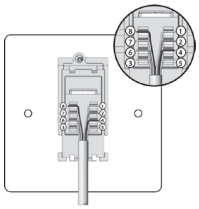
There are two wiring standards for these cables, called "T-568A" and T-568B". They differ only in connection sequence, not in use of the various colours. Please refer to the table for correct pin designations.

Pin	T568B	T568A
1	White/Orange	White/Green
2	Orange	Green
3	White/Green	White/Orange
4	Blue	Blue
5	White/Blue	White/Blue
6	Green	Orange
7	White/Brown	White/Brown
8	Brown	Brown

T568A - colour coding used for Cross-over cabling
T568B - colour coding used for normal network cabling

1 Gang RJ45 Data Outlet

Connect the cables as shown in the diagram.



2 Gang RJ45 Data Outlet

Connect the cables as shown in the diagram below.