



# CAT6 Outdoor Networking Kit

79400K  
User Guide



Cat6 network



Cable length



Easy assembly

## Features and benefits

- Ideal for extending your network/internet access to an outbuilding or shed
- Waterproof, UV resistant, high and low temperature resistant 50m length of outdoor cable is ideal for outdoor use and can be run above or below ground without conduit
- Includes RJ45 network surface sockets and cable clips for a professional installation
- Includes a combined IDC punchdown tool and cable stripper for easy connection

## Kit contents

- 1.) 50m CAT6 (4 Pair) Weatherproof Outdoor Cable
- 2.) 2x CAT6 Face Plates with Screws
- 3.) 2x 16mm Surface Mount Back Box
- 4.) 2x outdoor cable covers
- 5.) 100 x 7mm Cable Clips
- 6.) 1x IDC Punchdown/Cable Stripping Tool

## Planning your installation

Plan your installation and cable run carefully before wiring either end or cutting cable. Run the cable from your start to finishing point to make sure it is long enough. Decide the best positions for your 2 sockets then decide on the best positions for running your cables through any walls.

## Installation

1. Use a suitable 10mm drill bit to drill holes through any walls you need to pass the cable through in the positions planned. Drill from inside to outside, on the outside of the wall, it's easier if you can drill at the top of the mortar between bricks.
2. Run the cable from start to finish using cable clips every 50cm to fix to walls or fencing, you can bury parts of the run underground without using conduit, Just make sure it is deep enough not to be damaged by digging if it is in the garden. Indoors you can run along skirting boards and fix with cable clips. Leave plenty of extra cable at each end to make connections.

When running through a wall, run downwards for approximately 8-10cm before running horizontally and attach the exterior hole covers over the exit point with silicone adhesive or small nails (not supplied).

3. Unscrew the faceplates from the backing boxes. Knock out suitable cable entry points from the sides or back of the backing boxes and thread the cable through. Attach the backing boxes to the wall in the locations planned using fixings suitable for the surfaces the boxes are being attached to (fixings not supplied).

### 4. Wiring the wall sockets

Please note: there are 2 wiring standards for networking T568A & T568B (see Fig. 1). If adding to an existing network check the existing wiring to determine the standard used and wire accordingly (in most network installations T568B will have been used). If wiring a new network please use T568B. Fig. 2 & 3 show wiring for T568B.

- a. Strip approximately 30mm of cable jacket using the IDC punchdown/ stripper tool and separate the four pairs, lay the first pair of wires (with their colour coded insulation in place, do not strip) into the IDC terminals according to the colour coding on the inside of the socket (Fig. 2 & 3) or according to the wiring table above (Fig. 1). Remember to untwist each pair of wires only as much as is needed to make a strain free connection. Running wires along the central channel lets you preserve wire twisting as close to termination as possible.
- 4b. Use the IDC punchdown tool (Fig. 4) to insert the wires and trim off any excess. Repeat the process for the remaining three pairs.
- 4c. Screw the faceplates back onto the backing boxes tucking the cable into the box making sure it doesn't get pinched when the faceplate is replaced.

Fig. 1

568A and 568B Wiring Table

IDC Terminals	ISDN EIA-T568A**		Networking 258A/EIA-T568B*	
	Pair	Wire Colour	Pair	Wire Colour
Pin 5 Pin 4	1	White/Blue Blue	1	White/Blue Blue
Pin 1 Pin 2	3	White/Green Green	2	White/Orange Orange
Pin 3 Pin 6	2	White/Orange Orange	3	White/Green Green
Pin 7 Pin 8	4	White/Brown, Brown	4	White/Brown, Brown

Fig. 2 568B Terminals Colour Coding

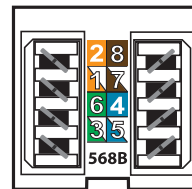


Fig. 3 568B Wiring Pairs

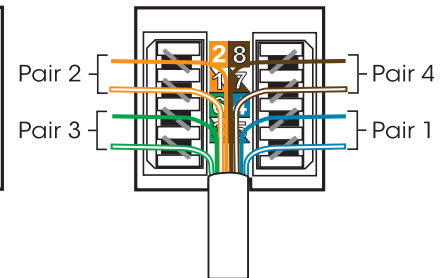
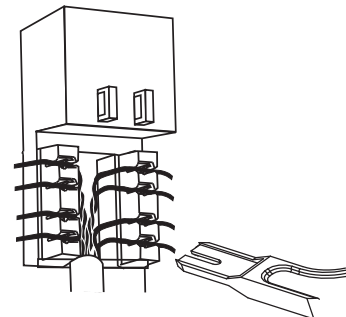


Fig. 4



For further information or any queries please contact

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