Data Trunking System

Features

- System bend radius 50mm Exceeds Cat 5e, 6 and 7 data cable requirements
- Attractive styling complementary to Logic Plus
- Aesthetic one piece fitting covers with carriers
- Two equal compartments – maximises wiring compartment capacity
- Accessory mounting in either or both compartments – giving flexibility/ versatility
- Unobtrusive screw fixing covers to maximise security against tampering
- Ease of installation – butt jointed construction, no mitring required
- Economical – cost effective 3 components (2 x lids, 1 base)
- Suitable for skirting or dado mounting
- Pre-drilled base – ease/speed of installation
- Accommodates matching MK and other BS switches and sockets
- Interfaces with MK Premier, and Ega Industrial and Ega Mini Trunking and Conduit Systems
- Strong PVCu sections are resistant to impact
- Manufactured to high precision standards
- Full range of components, spares and accessories
- Mounting frames for LJU6C and Euro data outlets – cost effective, minimum space requirement (for mounting in SELV compartment only).
- Choice of 180 RAL paint colours
- All extrusions manufactured from 90% recycled material*



Description

The Prestige 2com trunking is a symmetrical two compartment system offering a Cat 6 flexible solution to routing data cabling whilst maintaining a slow bend radius of 50mm, with a separate compartment for power cables. The trunking is normally surface mounted at dado or skirting height but may also be used vertically. The covers are of the snap-on type with the option of screw fixing for added security against vandalism. Special accessories include adaptors for connection to the full range of MK Ega Mini Trunking.

Technical specification

Materials

All components are manufactured from PVCu. Carriers, covers and cable dividers are extruded. Carrier couplers, corner carriers, stop ends and accessory boxes are formed by injection moulding.

Colours

The system is available in a standard white colour, with a choice of over 180 RAL paint colours on special orders.

Outlets

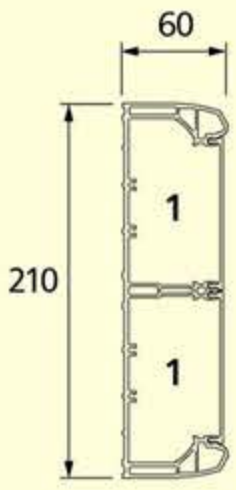
The system is designed to accommodate the complementary range of Logic Plus switches and sockets. Other MK wiring devices may also be used.

* Based on 2008 consumption

For a full range of corresponding products, see pages 323-328 in the product selector.

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Dimensions (mm)



VTS2001WHI main carrier +
2 x VTS5WHI straight covers

Weight:

2.41 Kg/m

Wall thickness:

VTS2001WHI = 2.5mm, 2.0m
VTS5WHI = 1.7mm

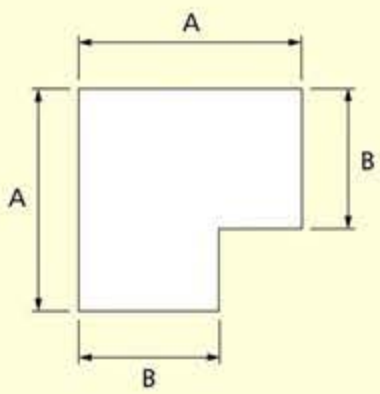
PRESTIGE 2COM CABLE CAPACITY										
Type of Conductor	**Size**	**Cable Factor**	**Compartment 1**		**Compartment 1 with 25mm back box**		**Compartment 1 with 35mm back box**		**Compartment 1 Ext Corner 50mm Data Bend**	
			Full Term CSA 100% Fill (mm²)							
			4466		**2236**		**1633**		**3132**	
			Term at 45% Fill (mm²)							
			2009		**1006**		**734**		**1409**	
Power Cables			**Number of Cables at 45% Fill**							
PVC Stranded	1.5mm²	8.6	233		116		85		163	
	2.5mm²	12.6	159		79		58		111	
	4mm²	16.6	121		60		44		84	
	6mm²	21.2	94		47		34		66	
Data Cables			**Number of Cables at 45% Fill (a) and Full Capacity (b)**							
			a	**b**	**a**	**b**	**a**	**b**	**a**	**b**
Cat5E UTP	5.5mm dia.	30.2	66	147	33	74	24	54	46	103
Cat5E STP	6.0mm dia.	36.0	55	124	27	62	20	45	39	87
Cat6 UTP	6.5mm dia.	42.2	47	105	23	52	17	38	33	74
Cat6 STP	7.0mm dia.	49.0	41	91	20	45	14	33	28	63

Components

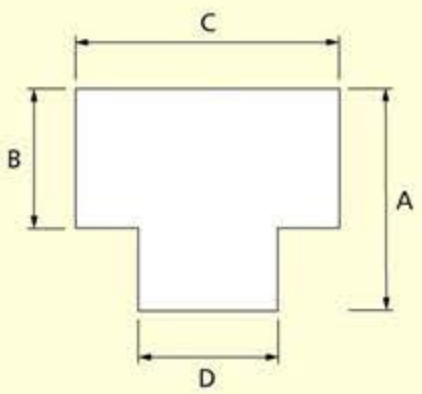
Flat angles and tees

These components are fabricated sections and space must be allowed for their inclusion in runs of trunking. All other components snap on over standard trunking profiles.

Flat angle



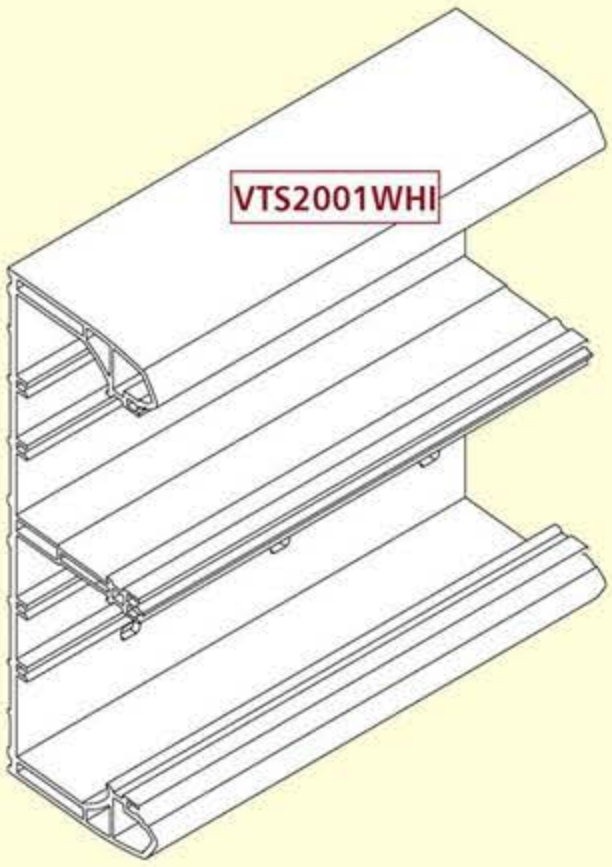
Flat tee

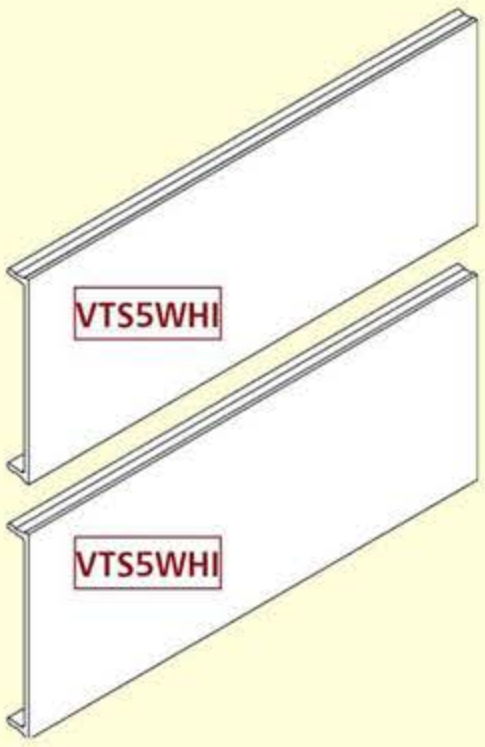


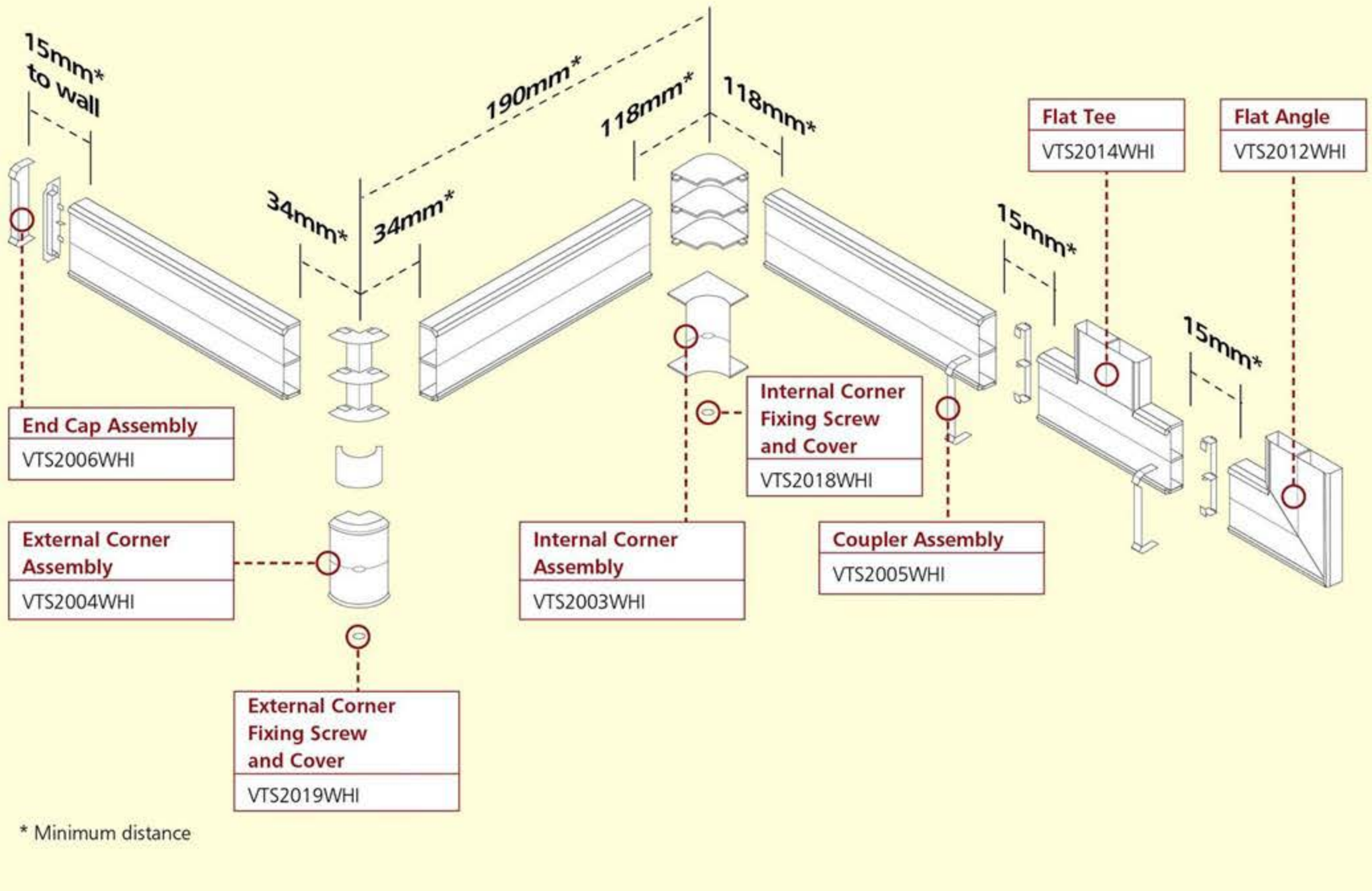
DIMENSIONS (mm)				
Flat angle	**A**	**B**		
VTS2012WHI	310	210		
Flat T details	**A**	**B**	**C**	**D**
VTS2014WHI	310	210	410	210

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Component selection guide







End Cap Assembly
VTS2006WHI

External Corner Assembly
VTS2004WHI

External Corner Fixing Screw and Cover
VTS2019WHI

Internal Corner Assembly
VTS2003WHI

Internal Corner Fixing Screw and Cover
VTS2018WHI

Coupler Assembly
VTS2005WHI

Flat Tee
VTS2014WHI

Flat Angle
VTS2012WHI

* Minimum distance

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Installation guide

General installation guidelines

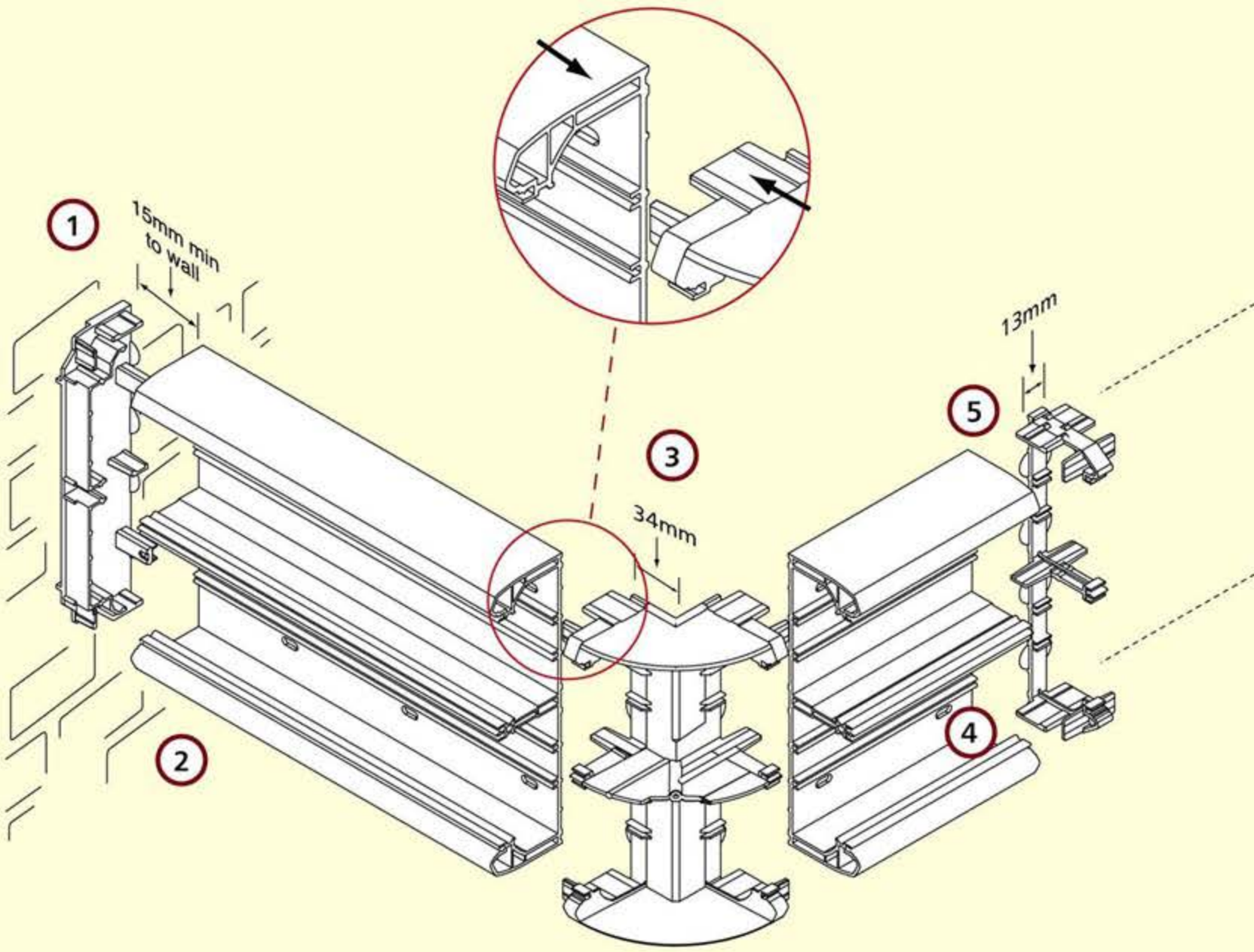
Tools and sundries required for installation:

1. Fine toothed tenon saw or a hacksaw with a 32 – 26 TPI blade for cutting the trunking, or preferably a circular saw with a 350mm diameter fine tungsten tipped blade (100TPI approx.)
2. All purpose knife or fine file for trimming of trunking
3. Spirit level, Plumb Bob and chalk line
4. A range of screwdrivers (flat or cross point) to suit fixing screws and Earth Carrier Connectors
5. A 5.5mm Ø drill bit and No.8 Round head or Pan head screws with suitable washers to secure the trunking.
6. Soft faced mallet to aid lid fitting

Planning the Installation

It is important to spend some time planning the installation, before starting. Time spent on planning the layout at this stage can avoid mistakes later on. The installation is designed for a non-conductive substrate, if you have any queries please contact: MK Technical Sales Service Department. Telephone 01268 563720.

1. Surface to which the trunking is to be installed should be flat and prepared for decorating.
2. Establish the layout of the trunking run with particular attention to the following: -
   - **a.** Changes in direction of the trunking.
   - **b.** The position of any feeds to or from the system.
   - **c.** The position of any connections with existing trunking/wiring systems.
   - **d.** Allow for minimum distances between corners, couplers, screw fixings, angles and tees (please see individual technical sections for details).
   - **e.** When installing at skirting level, ensure room is also allowed for future floor coverings to be fitted below trunking.

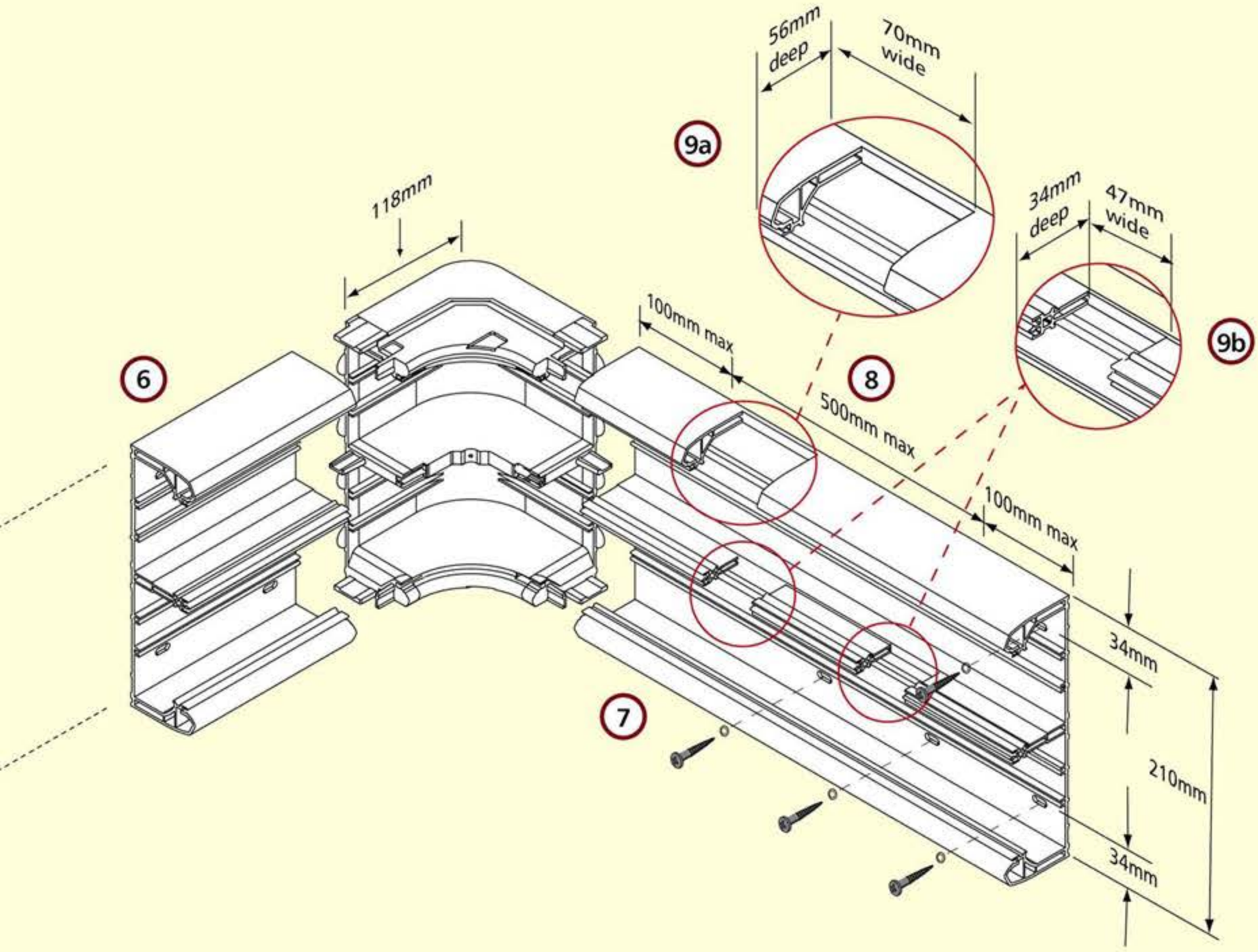


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General notes

Prior to installation strike a line of trunking using a plumb and chalk line for vertical, and spirit levels for horizontal runs.

1. Drill Holes in supporting walls prior to fixing
2. When mounting at skirting level allowance should be made for thickness of floor finish
3. Start Installation at a corner position
4. Debur all carrier cut ends
5. Carrier couplers must be placed at all junctions between carriers
6. Leave a gap of 5mm for expansion in long runs
7. Fixings require washers and No. 8 Round or Pan head screws
8. Fixings to be at 500mm centres and also at points within 100mm of each end
9. Cut trunking to allow for mini trunking / conduit (9a) and box adaptor crossover bridge (9b).



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Installation guide continued

10 Debur all cover cut ends

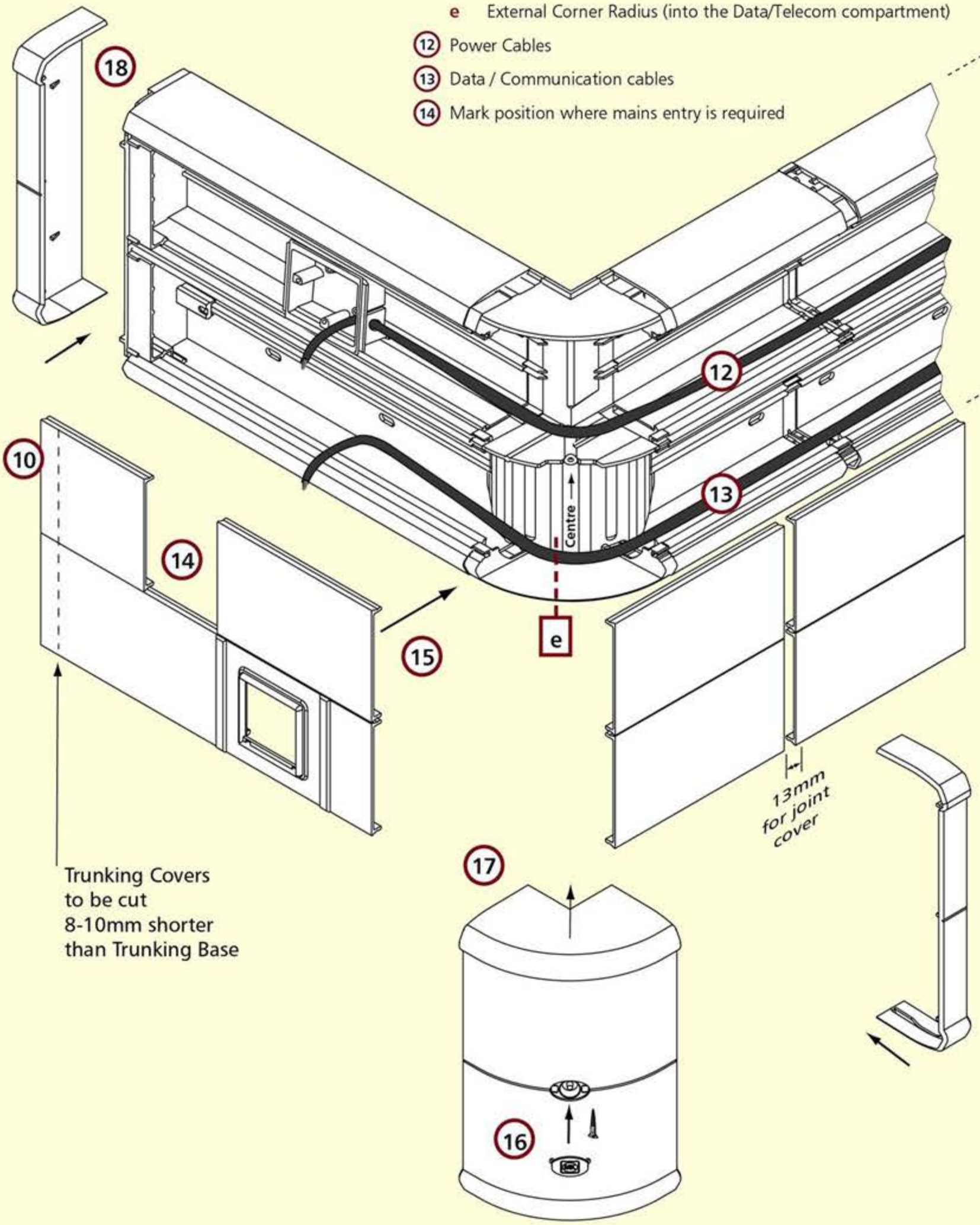
11 Insert accessories in the following order

- **a** Box adaptor
- **b** Accessory Boxes
- **c** Appropriate slide (VTS2081 shown)
- **d** Cross over bridge
- **e** External Corner Radius (into the Data/Telecom compartment)

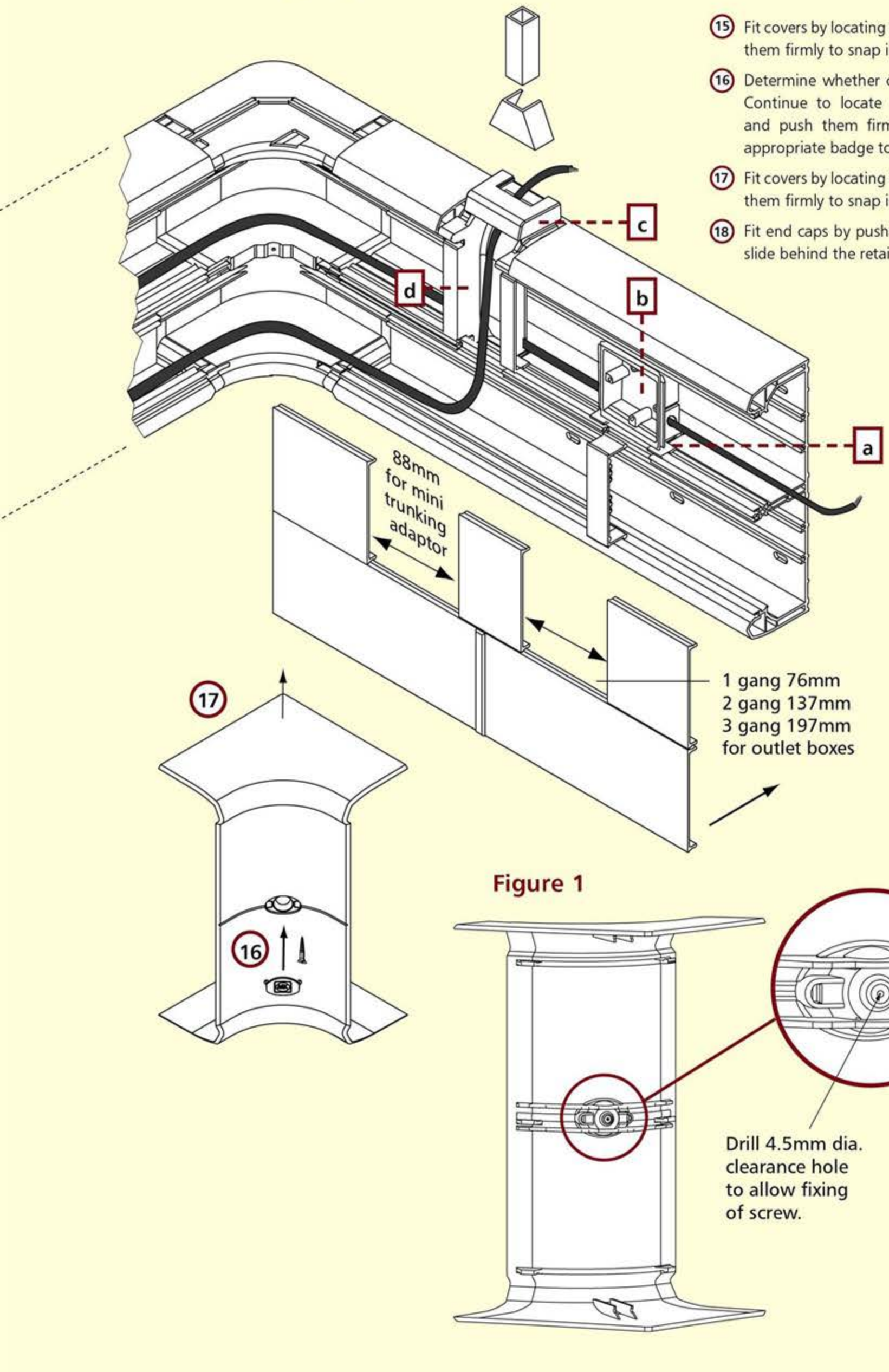
12 Power Cables

13 Data / Communication cables

14 Mark position where mains entry is required



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15. Fit covers by locating them correctly into position and pushing them firmly to snap in place.
16. Determine whether corners need to be screw fixed **(Fig 1)**. Continue to locate correctly the Corner and Joint covers and push them firmly until they snap into place. Fit the appropriate badge to the Corner Covers.
17. Fit covers by locating them correctly into position and pushing them firmly to snap in place.
18. Fit end caps by pushing them on from the front so the clips slide behind the retainers and engage in the main carrier.

Figure 1