

# MK Product Catalogue



cable management

Range

Technical Data

## Cable Management

### Perimeter and Distribution

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Range

Technical Data

## Conduit and Mini

### Egatube Conduit

High impact conduit with a comprehensive range of fittings

164-169

### Egatube Oval Conduit

Oval conduit

164-169

### Egaflex Conduit

Corrugated flexible conduit

164-169

### Ega Mini Trunking

Wide selection of mini trunking profiles and fittings

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## Alarm and Communication

### Red Alert

Trunking for alarm circuit identification

170-172

### Ega Communication

Unobtrusive low profile trunking

170-172

## Material Specification

### PVCu

PVCu is used for the production of extrusions and mouldings and is universally accepted as having the most suitable properties for use within the electrical industry.

### Standards and Approvals

All MK PVCu products are manufactured in accordance with the requirements of BS EN 50085 Parts 1 and 2-1, BS 4678 Part 4, BS EN 61386 Parts 1, 21 and 23, and BS 4662, where relevant. The PVC-U material used has been tested by an approved laboratory in accordance with the requirements of the following British Standards: BS 4607 Part 1 and BS 476 Part 7. Copies of test certificates are available upon request. MK has been awarded BS EN ISO 9001: 2000 accreditation.

### IEE Wiring Regulations

The system complies with all relevant requirements of the latest edition of BS 7671: 2008.

### CE marking

All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

### Performance

Strength	Impact resistance	High impact resistance under normal climatic conditions, BS 4678: medium duty	
	Charpy notched impact strength	25 kJ/m <sup>2</sup>	
	Tensile strength	at yield	34.62 N/mm <sup>2</sup>
		at break	42.00 N/mm <sup>2</sup>

### Fire performance

The PVC-U materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085, BS EN 61386, and BS 4678. Extrusion material has been tested by an accredited laboratory in accordance with the requirements of BS 476 Part 7 and has achieved a Class 1Y classification. Moulding material has been tested by an accredited laboratory and conforms with IEC 695-2-1 at a severity of 750°C.

### Thermal properties

All MK PVCu products are designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Coefficient of linear expansion	5.5 x 10 <sup>-5</sup> per °C (5mm/3000mm with a temperature rise of 25°C)
Operating temperatures	-5° to 60°C
Vicat softening point	81°C
Thermal conductivity	0.19W/m/k

### Chemical resistance

PVCu is non-corrosive and not affected by sea water. It has excellent resistance to mineral acids, alkalis and detergents, good resistance to alcohols, but liable to attack from solvents such as ketones, aromatics and hydrocarbons.

### Electrical

PVCu is non-conductive.

Dielectric strength	40 kV/mm in DBP
	17 kV/mm in tx oil
Resistivity	1014 Ωcm

### Biological

Resistant to vermin and termites.

### Workability

All MK PVCu products are lightweight and can be readily cut and drilled with hand tools. Short component lengths can be readily incorporated, reducing wastage of material. All covers and accessories are manufactured to fine tolerances to ensure a tight fit with ease of removal. Stop ends are secured to the carriers. For details, see the relevant installation guide.

### Durability

All MK PVCu products are stable and will maintain their performance characteristics in accordance with the terms and conditions described above.

### Maintenance

Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with a damp cloth and household detergent. The surface can be decorated with commercial paints if required.

### Mechanical performance

Impact resistance under normal climatic conditions, BS EN 50085 or BS 4678 (where appropriate): medium duty. HIP conduits, BS EN 61386 are heavy duty.

### Aluminium

#### Standards and approvals

MK Aluminium products conform to BS EN 50085-1. 1, 2 & 3 Gang Boxes conforming to BS 4662 where applicable.

#### IEE Wiring Regulations

All products are designed and manufactured to allow installation to comply with the latest edition BS 7671: 2008.

#### Quality Assurance

The system is manufactured to BS EN ISO 9001: 2008.

#### Earth Continuity

The system makes provision for earth bonding where required in accordance with the latest edition of the (BS7671) IEE Wiring Regulations.

When PVC cable trunking items are used that interrupt the earth continuity, Carrier Earth Connectors (PAL 1000) are required to ensure continuity.

Wall thickness 1.1mm.

#### Impact Classification

Composite trunking systems (PVC / Al) will withstand "medium" impact to EN 50085-1. Metal components will withstand "heavy" impact as defined in EN 50085-1.

#### Thermal Properties

Min/Max installation and application temperature -5 to +60°C.

Coefficient of linear expansion 23 x 10<sup>-6</sup> per °C.

1mm/m for 40 degree rise.

#### Maintenance

Resistant to staining. Wipe with a damp cloth.

#### Electrical Properties

Resistance to 0.03 ohm mm<sup>2</sup>/m.

#### Chemical Properties

Corrosion only occurs, to any extent, when ph value is less than 3 or greater than 9.

## PVCu Chemical Resistance Table

The resistance of unplasticised PVC to a wide range of chemicals is listed in the table below.

The symbols used to denote performance are as follows:

- ▲ Satisfactory
- Some attack or absorption: the material may be considered for use when alternative materials are unsatisfactory and where limited life is acceptable. When PVC is to be used with such chemicals full scale trials under realistic conditions are necessary.
- Unsatisfactory: so rated because of decomposition, solution, swelling, loss of ductility etc, of the samples tested.

For clarification and for details of resistance to other chemicals please call our Technical Hotline on +44 (0)1268 563720.

Note: to determine the suitability of PVCu for external applications we strongly advise you contact the MK Technical Sales and Service Department on +44 (0)1268 563720.

CHEMICAL	CONCENTRATION	UNPLASTICISED PVC	
		20°C	60°C
acetaldehyde	40% aq. solution	▲	■
acetic acid	60% aq. solution	▲	■
acetic anhydride		■	■
acetone	Traces	■	■
alcohol, ethyl	40% w/w water	▲	●
alcohol, isopropyl		▲	▲
alcohol, menthyl	6% aq. solution	▲	▲
	100%	▲	●
aliphatic hydrocarbons		▲	▲
aluminium chloride		▲	▲
aluminium hydroxide		▲	▲
ammonia	0,885.G., aq. solution	▲	▲
	Anhydrous gas	■	■
	Anhydrous liquid	■	■
ammonium chloride		▲	▲
ammonium hydroxide		▲	▲
aniline		■	■
animal oils		▲	▲
aqua regia	Dilute	▲	▲
	Concentrated	▲	■
barium sulphate		▲	▲
beer		▲	▲
benzine		■	■
benzoyl chloride		■	■
borax		▲	▲
boric acid		▲	▲
brine		▲	▲
bromide	Traces, gas	●	■
	100% (dry gas)	■	■
	Liquid	■	■
calcium chloride	aq. solution	▲	▲
	20% in methyl alcohol	▲	▲
calcium hydroxide		▲	▲
calcium hypochlorite		▲	▲
carbon dioxide		▲	▲
carbonic acid		▲	▲
carbon monoxide		▲	▲
carbon tetrachloride		●	■
castor oil		▲	▲
chloric acid		▲	▲
chlorine	100% (dry gas)	▲	●
	10% (moist gas)	●	●
chlorine water	Sat. solution	●	●
chloroform		■	■
chrome allum		▲	▲
chromic acid	Plating solution	▲	▲

CHEMICAL	CONCENTRATION	UNPLASTICISED PVC	
		20°C	60°C
cider		▲	▲
citric acid		▲	▲
copper chloride		▲	▲
copper cyanide		▲	▲
copper nitrate		▲	▲
copper sulphate		▲	▲
cupric sulphate		▲	▲
cyclohexanone		■	■
detergent, synthetic	All concentrations	▲	▲
developers, photographic		▲	▲
dextrin		▲	▲
dextrose		▲	▲
diazo salts		▲	▲
dichlorodifluoromethane		▲	▲
diethyl ether		■	■
emulsifiers	All concentrations	▲	▲
emulsions, photographic		▲	▲
ethyl acetate		■	■
ethylene glycol		▲	▲
ethylene oxide		■	■
fatty acids		▲	▲
ferric chloride		▲	▲
ferric nitrate		▲	▲
ferric sulphate		▲	▲
ferrous ammonium citrate		▲	▲
ferrous chloride		▲	▲
ferrous sulphate		▲	▲
fixing solution, photographic		▲	▲
fluorine		●	●
formaldehyde	40% w/w water	▲	▲
formic acid	50% solution	▲	▲
	100% solution	▲	■
fructose		▲	▲
fruit pulp		▲	▲
glucose		▲	▲
glycerol		▲	▲
grape sugar		▲	▲
heptane		▲	▲
hydrobromic acid	100%	▲	▲
hydrochloric acid	22% aq. solution	▲	▲
	Concentrated	▲	▲
hydrochloric acid	40% aq. solution	▲	●
	60% aq. solution	●	■
	Concentrated	▲	▲
hydrogen bromide	Anhydrous	▲	▲
hydrogen chloride	Anhydrous	▲	▲
hydrogen flouride	Anhydrous	▲	▲
hydrogen peroxide	3% (10vol)	▲	▲
	12% (40vol)	▲	▲
	30% (100vol)	▲	▲
	90% and above	▲	▲
hydrogen sulphide		▲	▲
iodine	Solution in potassium iodine	■	■
lactic acid	10% aq. solution	▲	▲
	100%	●	●
lanoline		▲	▲
linoleic acid		▲	▲
linseed oil		▲	▲
magnesium hydroxide		▲	▲
maleic acid	50% aq. solution	▲	▲
	Concentrated	▲	●
metallic soaps (water soluble)		▲	▲
methyl bromide		■	■
methyl chloride		■	■
methyl cyclohexanone		■	■
methyl ethyl ketone		■	■
methyl isobutyl ketone		■	■
methylated spirit		▲	▲
methylene chloride		■	■
milk		▲	▲
mineral oil		▲	▲
mixed acids (sulphuric/nitric		▲	▲
	Various proportions)	●	■
molasses		▲	▲
naphtha		▲	▲
naphtalene		■	■
nicotine		▲	▲

CHEMICAL	CONCENTRATION	UNPLASTICISED PVC	
		20°C	60°C
nitric acid	5% aq. solution	▲	▲
	50% aq. solution	▲	●
nitrobenzene		■	■
oleic acid		▲	▲
oxalic acid		▲	▲
oxygen		▲	▲
ozone		▲	▲
paraffin		▲	▲
pentane		▲	▲
petrol		▲	▲
phosphoric acid	30% aq. solution	▲	▲
	95% aq. solution	▲	▲
photographic developers		▲	▲
potassium bromide		▲	▲
potassium carbonate		▲	▲
potassium cyanide		▲	▲
potassium ferricyanide		▲	▲
potassium hydroxide	10% aq. solution	▲	▲
	Concentrated	▲	▲
potassium hypochlorite		▲	▲
potassium permanganate		▲	▲
propane		▲	▲
propylene glycol		▲	▲
propylene oxide		■	■
saccharose		▲	▲
sea water		▲	▲
silver nitrate		▲	▲
soap solution		▲	▲
sodium bicarbonate		▲	▲
sodium bisulphate		▲	▲
sodium borate		▲	▲
sodium bromide		▲	▲
sodium carbonate		▲	▲
sodium chlorate		▲	▲
sodium chloride		▲	▲
sodium cyanide		▲	▲
sodium ferricyanide		▲	▲
sodium ferrocyanide		▲	▲
sodium fluoride		▲	▲
sodium hydroxide	40% aq. solution	▲	▲
	Concentrated	▲	▲
sodium hypochlorite	15% Cl	▲	▲
sodium hyposulphate		▲	▲
sodium nitrate		▲	▲
sodium peroxide		▲	▲
sodium silicate		▲	▲
sodium sulphate		▲	▲
sodium sulphide	25% aq. solution	▲	▲
	Concentration	▲	▲
sodium sulphite		▲	▲
soft soap		▲	▲
surface active agents (All concentrations)		▲	▲
(emulsifiers, synthetic detergents and wetting agents)		▲	▲
starch		▲	▲
stearic acid		▲	▲
sucrose		▲	▲
sulphur	Colloidal	▲	▲
sulphur dioxide	Dry	▲	▲
	Liquid	●	■
sulphuric acid	80% aq. solution	▲	▲
	90% aq. solution	▲	●
	Fuming	■	■
sulphurous acid	10% aq. solution	▲	▲
tallow		▲	▲
tanning extracts		▲	▲
tartaric acid		▲	▲
transformer oil		▲	▲
trichloroethane		■	■
trichloroethylene		■	■
turpentine		▲	▲
vegetable oils		▲	▲
vinegar		▲	▲
water		▲	▲
wetting agents	All concentrations	▲	▲
wines and spirits		▲	▲
xylene		■	■
zinc carbonate		▲	▲
zinc chloride		▲	▲
zinc sulphide		▲	▲



Prestige Compact with Logic Plus Sockets in Graphite and Data Outlets in White

## Installation and Maintenance

When planning the installation establish the layout of your system, paying particular attention to:

- **Direction Changes**
- **Feed Positions**
- **Component Spacing**

The carrier components are not treated with the antibacterial additive. As such these must always be fixed onto a surface where they will not be touched once the installation is complete.

During the installation of Prestige 3D Antibac Blue no special treatment of the product is required. There is no need for an installer to wear sterile gloves, use sterile tools or undertake special training.

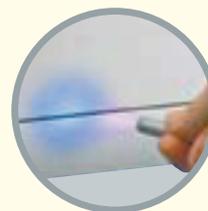
Once installed, the Prestige 3D Antibac Blue system carries a 10 year guarantee, the same as all MK Cable Management products, giving both the installer and specifier confidence and peace of mind. The unique addition of a fluorescent additive gives further confidence, clearly identifying the product as Prestige 3D Antibac Blue. A bright blue glow under UV light indicates the antibacterial additive is present, a dull purple glow under UV light indicates standard PVCu.

When maintaining the product after installation, no special treatment is required. The antibacterial additive depends on intimate contact between surfaces of the trunking and the user, so any barriers such as dirt or grime will reduce or negate the antibacterial effect. However, the exterior of the trunking can be cleaned very simply using a damp cloth with a mild detergent, which must be thoroughly wiped off. Alternatively the trunking can also be cleaned using Ultraviolet light. Prestige 3D Antibac Blue is not intended to replace standard cleaning regimes. It is an additional protection which can only operate efficiently if the surfaces are kept free of dirt and grime. Before hand-over to the client the entire trunking run must be thoroughly cleaned as described in the product installation guide.

Prestige 3D Antibac Blue product and packaging is recyclable. At the end of its useful life it should be recycled where facilities exist.

The additive used in Prestige 3D Antibac Blue is registered with the Environmental Protection Agency (EPA) and is compliant with the European Biocidal Products Directive (BPD).

Prestige 3D Antibac Blue is easily distinguishable from standard Prestige 3D, it has a different protective film and has a unique patent pending fluorescence under UV light which glows bright blue.



Prestige 3D Antibac Blue

## Data Trunking System

### Standards and approvals

The Prestige 3D Compact System is manufactured in accordance with the requirements of BS EN 50085-1:2005 and BS 4662: 2006. Copies of test certificates are available upon request. The system complies with all the relevant requirements of BS 7671: 2008. MK has been awarded ISO 9002 accreditation.

### Features

- Unique 'open box' mounting frames combined with divider knockouts to provide unhindered tool-free cable entry
- Cat 6 compliant Data Sweep, with no loss of capacity and without the need for bulbous, protruding corner covers
- Cat 6 compliant moulded flexible Internal and External Corners, moulded Flat Angles and Tees
- Divider Knockouts, making wiring easier and faster with no drilling or cutting
- Two stage Hinge Lids enables cables to be supported by the trunking cover during installation, and makes retro-installation of additional cables more simple
- Pre-punched bases
- Attractive easy to fit single piece covers for flat angle and flat tee
- Curved outer covers that complement MK Logic Plus accessories
- All extrusions manufactured from 90% recycled material\*



### Description

Prestige 3D Compact satisfies the growing data demands in more confined locations. Prestige 3D Compact has a smaller footprint than Prestige Plus and Prestige 3D and is rich in features, offering installation benefits and improved data cable management. The new concept uses the full trunking depth with a sliding open box (frame) principal to ease power and data connections. Prestige Compact trunking is capable of being installed to Cat 6 data cable installation requirements, and the depth is more conducive to data accessories.

The centre compartment is intended for accessory mounting only. Power and data cables are to be run in the outer compartments.

### Technical specification

#### CE marking

All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

#### Manufacture

All trunking components are manufactured from PVCu.

#### Appearance

Prestige 3D Compact is manufactured in white. The trunking surface can be painted, if required, after installation.

#### Performance

Impact	Medium
Minimum Storage Temperature	-25°C
Minimum Installation Temperature	-5°C
Maximum Application Temperature	+60°C

#### Fire performance

The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1: 2005.

Extrusion material has achieved classification 1Y in accordance with BS 476-7: 1997. Moulding material has achieved 650°C glow wire rating in accordance with BS EN 60695-2-11: 2001.

#### Thermal properties

Prestige 3D Compact trunking is designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Linear Expansion: 4mm over every 3000mm with a temperature rise of 25°C.

#### Chemical resistance

The PVCu materials used are non-corrosive and not affected by seawater. It has excellent resistance to mineral acids, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

#### Electrical

Prestige 3D Compact trunking is non-conductive.

Dielectric strength	40 kV/mm in DBP 17 kV/mm in tx oil
Resistivity	1014 Ωcm

#### Biological

Prestige 3D Compact trunking is resistant to vermin and termites.

#### Workability

Prestige 3D Compact trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.

#### Durability

Prestige 3D Compact trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

#### Maintenance

Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with a damp cloth and household detergent. The surface can be decorated with commercial paints if required.

\* Based on 2008 consumption

## Data Trunking System

### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

1 = 742

2 = 1431

\*(X) = 3035

#### Assembly

Dado = 1.20 Kg/m

Extended Dado = 1.35 Kg/m

#### Wall Thickness

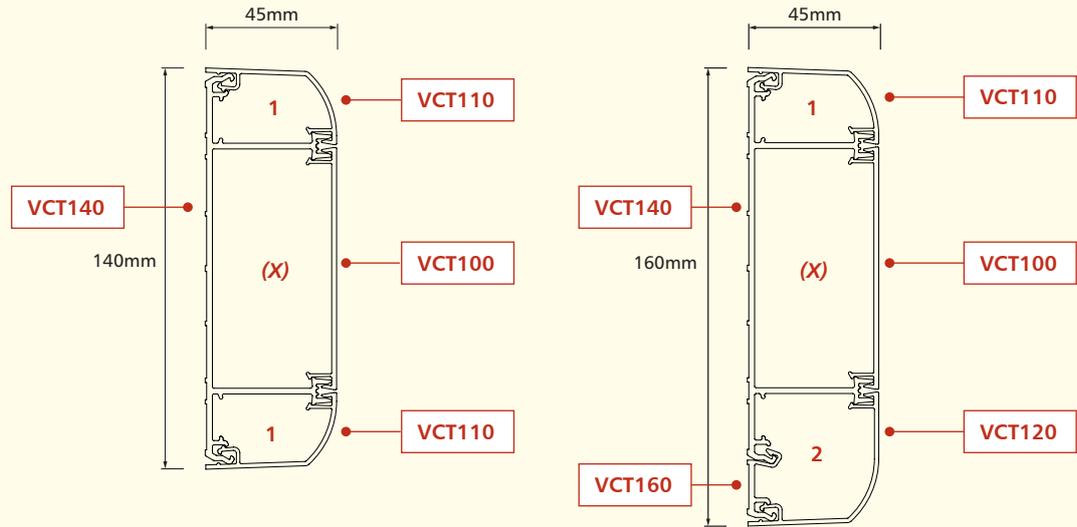
VCT100 = 1.7mm

VCT110 = 1.7mm

VCT120 = 1.7mm

VCT140 = 2.0mm

VCT160 = 2.0mm



DADO

EXTENDED DADO

CABLE CAPACITY								
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment (X)	
			Full Term CSA (mm <sup>2</sup> )					
			742		1431		3035	
			Term at 45% fill (mm <sup>2</sup> )					
333		643		1365				
Power cables			Number of cables at 45% fill					
PVC stranded	1.5mm <sup>2</sup>	8.6	38		74		158	
	2.5mm <sup>2</sup>	12.6	26		51		108	
	4mm <sup>2</sup>	16.6	20		38		82	
	6mm <sup>2</sup>	21.2	15		30		64	
Data cables			Number of cables at 45% fill (a) and full capacity (b)					
			a	b	a	b	a	b
Cat 5E UTP	5.5mm dia.	30.2	11	24	21	47	45	100
Cat 5E STP	6.0mm dia.	36.0	9	20	17	39	37	84
Cat 6 UTP	6.5mm dia.	42.2	7	17	15	33	32	71
Cat 6 STP	7.0mm dia.	49.0	6	15	13	29	27	61

\* Compartment (X) dimensions and capacity are given as guide only for instances where trunking is used for cable routing e.g. vertical drops/risers.

## Data Trunking System

### Component selection guide

Profile	End Cap
140mm	VCT143 WHI
160mm	VCT163 WHI

Profile	Internal Corner
140mm	VCT141 WHI
160mm	VCT161 WHI

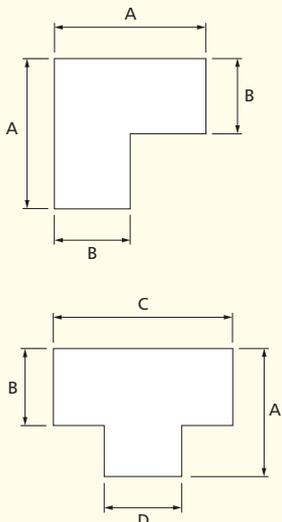
Profile	Flat Angle Up	Flat Angle Down
140mm	VCT145 WHI	VCT145 WHI
160mm	VCT165 WHI	VCT166 WHI

Profile	Joint Cover
140mm	VCT144 WHI
160mm	VCT164 WHI

Profile	External Corner
140mm	VCT142 WHI
160mm	VCT162 WHI

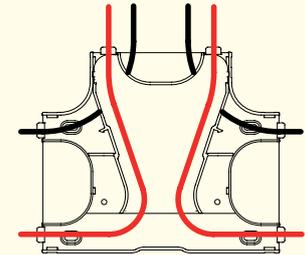
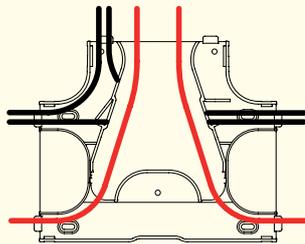
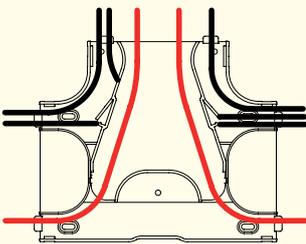
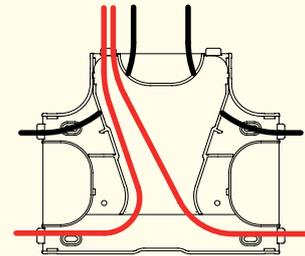
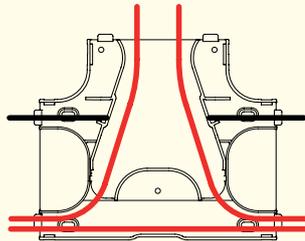
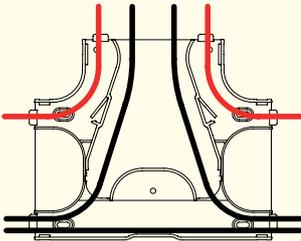
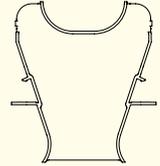
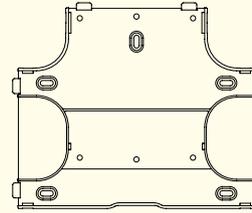
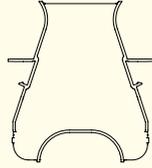
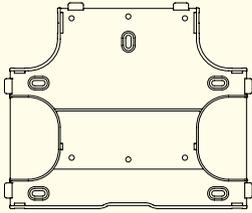
Profile	Flat Tee Up	Flat Tee Down
140mm	VCT147 WHI	VCT147 WHI
160mm	VCT167 WHI	

### Flat angles and tees



FABRICATED ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VCT145 WHI	Flat Angle 140 (Dado)	190mm	140mm		
VCT147 WHI	Flat Tee 140 (Dado)	200mm	140mm	235mm	140mm
VCT165 WHI	Flat Angle – Up 160 (Extended Dado)	215mm	160mm		
VCT166 WHI	Flat Angle – Down 160 (Extended Dado)	215mm	160mm		
VCT167 WHI	Flat Tee – Up 160 (Extended Dado)	220mm	160mm	235mm	140mm

## Data Trunking System

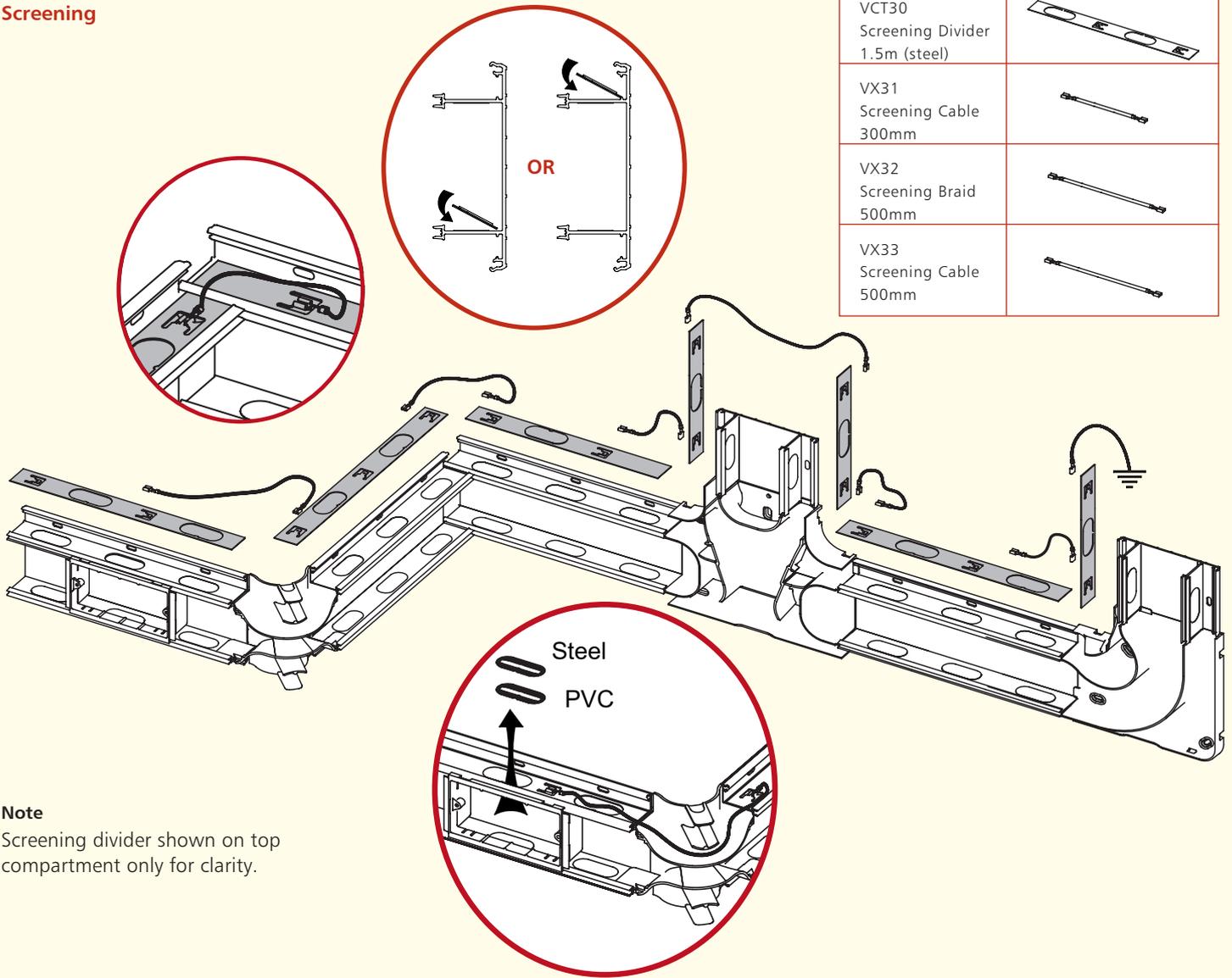


### Flat Tee Bridge

The Flat Tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct separation and Cat 6 compatibility.

## Data Trunking System

### Screening



PRODUCT IDENTIFICATION	
VCT30 Screening Divider 1.5m (steel)	
VX31 Screening Cable 300mm	
VX32 Screening Braid 500mm	
VX33 Screening Cable 500mm	

**Note**  
Screening divider shown on top compartment only for clarity.

## Data Trunking System

### Standards and approvals

The Prestige 3D System is manufactured in accordance with the requirements of BS EN 50085-1: 2005 and BS 4662: 2006. Copies of test certificates are available upon request. The system complies with all the relevant requirements of BS 7671: 2008. MK has been awarded ISO 9002 accreditation.

### Features

- Greater trunking depth, increased data and power cable capacity, accepts 45mm deep back boxes
- Cat 6 compliant Data Sweep, with no loss of capacity and without the need for bulbous, protruding corner covers
- Cat 6 compatible moulded flexible Internal and External Corners, moulded Flat Angles and Tees
- Divider Knockouts, making wiring easier and faster with no drilling or cutting
- Two stage Hinge Lids enables cables to be supported by the trunking cover during installation, and makes retro-installation of additional cables more simple
- All extrusions manufactured from 90% recycled material\*



### Description

Prestige 3D is the new three compartment dado, skirting and compact trunking from MK that satisfies the growing data demands of cable management installations. As well as providing greater depth for larger cable capacity, Prestige 3D is rich in new features, offering installation benefits and improved cable management. Prestige 3D is Cat 6 compliant, with the new Data Sweep, Flat Angles and Tees, all allowing continuous cable capacity.

### Technical specification

#### CE marking

All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

#### Manufacture

All trunking components are manufactured from PVCu.

#### Appearance

Prestige 3D is manufactured in white. The trunking surface can be painted, if required, after installation.

#### Performance

Impact	Medium
Minimum Storage Temperature	25°C
Minimum Installation Temperature	-5°C
Maximum Application Temperature	+60°C

#### Fire performance

The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1: 2005.

Extrusion material has achieved classification 1Y in accordance with BS 476-7. Moulding material has achieved 650°C glow wire rating in accordance with BS EN 60695-2-11: 2001.

#### Thermal properties

Prestige 3D trunking is designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Linear Expansion: 4mm over every 3000mm with a temperature rise of 25°C.

#### Chemical resistance

The PVCu materials used are non-corrosive and not affected by seawater. It has excellent resistance to mineral acids, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

#### Electrical

Prestige 3D trunking is non-conductive.

Dielectric strength	40 kV/mm in DBP
	17 kV/mm in tx oil
Resistivity	1014 Ω cm

#### Biological

Prestige 3D trunking is resistant to vermin and termites.

#### Workability

Prestige 3D trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.

#### Durability

Prestige 3D trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

#### Maintenance

Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with water and household detergent. The surface can be decorated with commercial paints if required.

\* Based on 2008 consumption

## Data Trunking System

### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

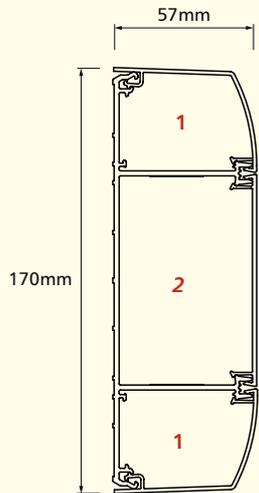
- 1 = 1763
- 2 = 3828
- 3 = 1952

#### Assembly

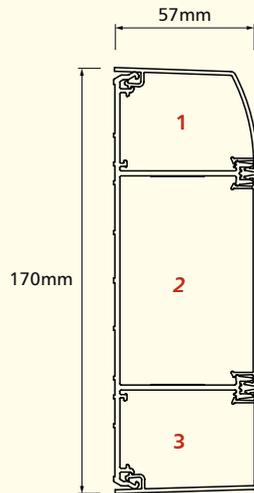
Dado = 1.58 kg/m  
Skirting = 1.60 kg/m

#### Wall Thickness

VP100 = 1.7mm  
VP110 = 1.7mm  
VP115 = 1.7mm  
VP180 = 2.0mm



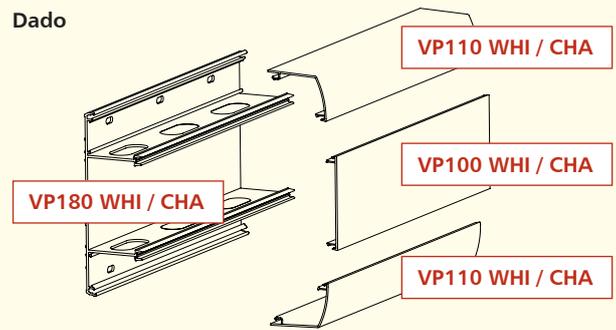
Dado



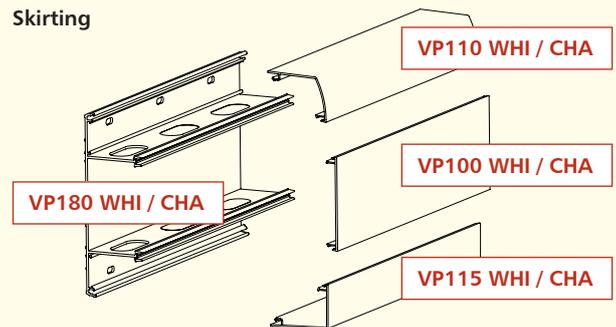
Skirting

### Component selection guide

#### Dado



#### Skirting



### CABLE CAPACITY

Type of conductor	Size	Cable factor	Compartment 1	Compartment 2	Compartment 2 with 45mm deep box	Compartment 3				
			Full Term CSA (mm <sup>2</sup> )							
			1763	3828	610	1952				
			Term at 45% fill (mm <sup>2</sup> )							
			793	1722	274	878				
Power cables			Number of cables at 45% fill							
PVC stranded	1.5mm <sup>2</sup>	8.6	92	200	31	102				
	2.5mm <sup>2</sup>	12.6	62	136	21	69				
	4mm <sup>2</sup>	16.6	47	103	16	52				
	6mm <sup>2</sup>	21.2	37	81	12	41				
Data cables			Number of cables at 45% fill (a) and full capacity (b)							
			a	b	a	b	a	b	a	b
Cat 5E UTP	5.5mm dia.	30.2	26	58	57	126	9	20	29	64
Cat 5E STP	6.0mm dia.	36.0	22	48	47	106	7	16	24	54
Cat 6 UTP	6.5mm dia.	42.2	18	41	40	90	6	14	20	46
Cat 6 STP	7.0mm dia.	49.0	16	35	35	78	5	12	17	39

## Data Trunking System

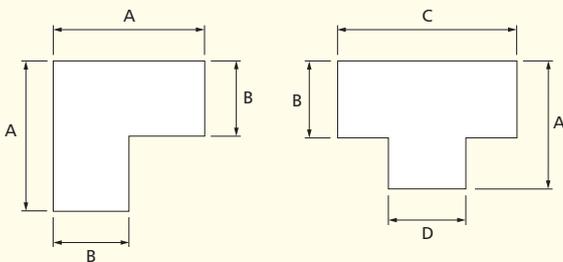
### Component selection guide

End Cap	Internal Corner	Flat Angle Up	Flat Angle Down
Dado - VP183 WHI / CHA Skirting - VP193 WHI / CHA	Dado - VP181 WHI / CHA Skirting - VP191 WHI / CHA	Dado - VP185 WHI / CHA Skirting - VP195 WHI / CHA	Dado - VP185 WHI / CHA Skirting - VP196 WHI / CHA*

\*This item is fabricated rather than moulded

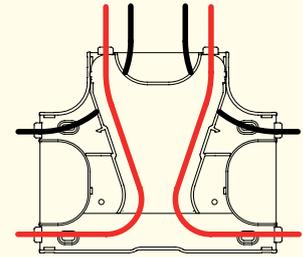
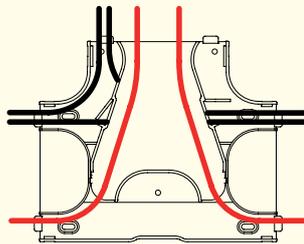
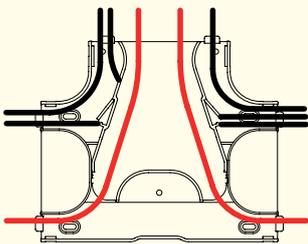
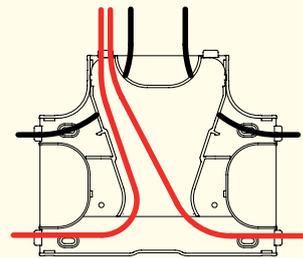
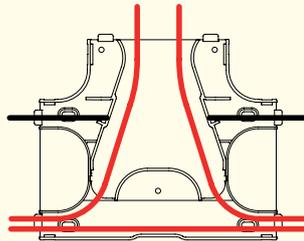
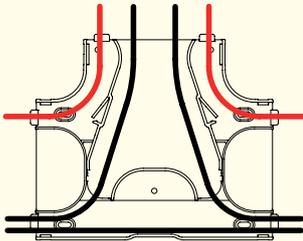
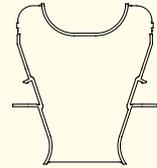
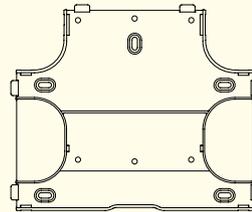
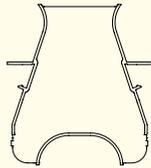
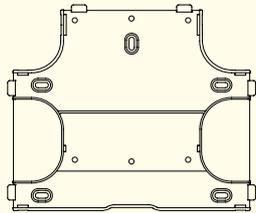
Joint Cover	External Corner	Flat Tee Up	Flat Tee Down
Dado - VP184 WHI / CHA Skirting - VP194 WHI / CHA	Dado - VP182 WHI / CHA Skirting - VP192 WHI / CHA	Dado - VP187 WHI / CHA Skirting - VP197 WHI / CHA	Dado - VP187 WHI / CHA

### Flat angles and tees



FLAT ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VP185 WHI / CHA	Flat Angle	218mm	170mm		
VP187 WHI / CHA	Flat Tee	202mm	170mm	235mm	170mm
VP195 WHI / CHA	Flat Angle Up	218mm	170mm		
VP196 WHI / CHA	Flat Angle Down	270mm	170mm		
VP197 WHI / CHA	Flat Tee Up	202mm	170mm	235mm	170mm

## Data Trunking System

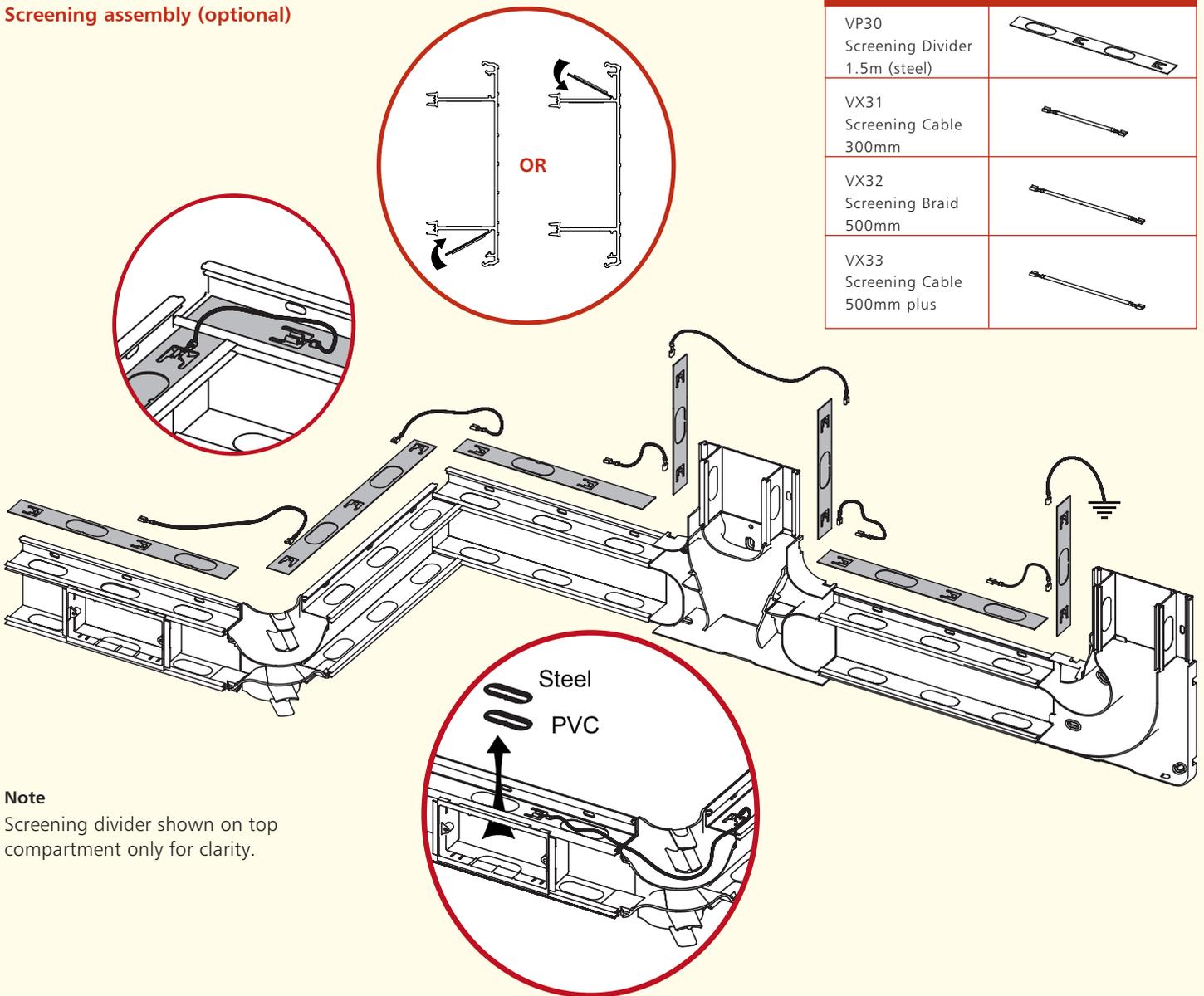


### Flat Tee Bridge

The Flat Tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct separation and Cat 6 compatibility.

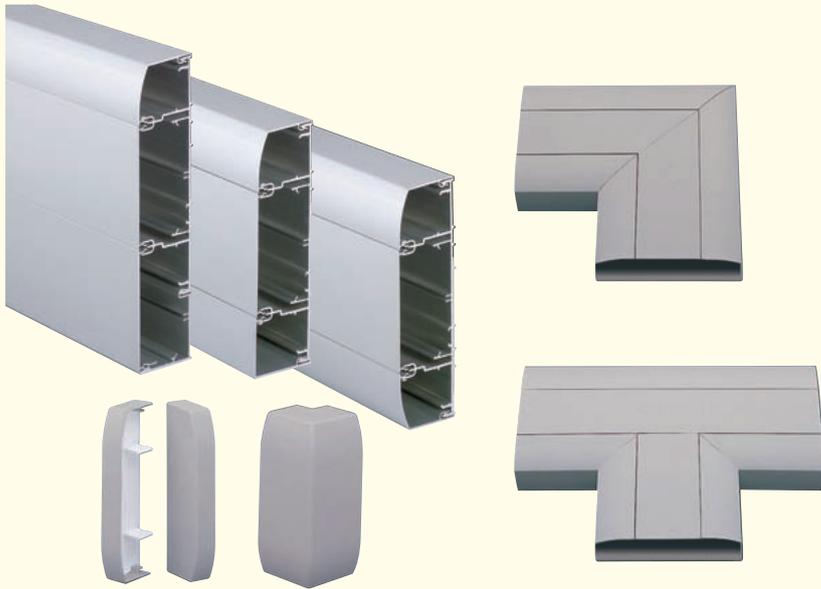
## Data Trunking System

### Screening assembly (optional)



**Note**  
Screening divider shown on top compartment only for clarity.

## Skirting and Dado Trunking System



### Description

Prestige Plus is an elegant, sleek aluminium trunking system for skirting and dado applications. It is designed to combine the superior appearance of aluminium, the flexibility of pvc fittings and ease of installation.

### Materials

The Aluminium is to 6060 anodised, finish thickness 5 – 10 microns

The PVCu as current Prestige Plus range Aluminium Painted

- Fire Performance – does not burn
- Chemical resistance – Corrosion only occurs to any great degree when ph value is less than 3 or greater than 9 (acidic/alkaline)
- Electrical Properties – 0.03 ohms mm<sup>2</sup>/m
- Biological resistance – Resistant to attack from vermin and termites
- Maintenance – Little or no maintenance, resistant to staining but benefit from regular washing down with a cloth dampened with soapy water (Neutral 5/7ph value)
- Thermal Properties
  - installation/operation temperature – 5°C to +60°C
  - co-efficient of linear expansion 23x10<sup>-6</sup>/°C (1mm/m for 40°C rise)
- Inherent EMC screening provides a screen for computer service cables

### Finish and Colour

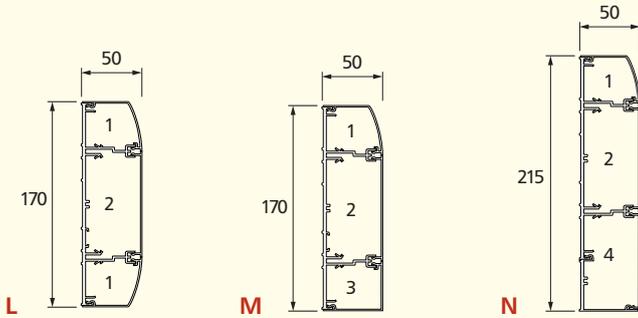
The product range covers both painted and anodised versions.

Anodised Standard Silver, coating thickness 5-10 Microns.

Coloured White to RAL 9003.

Customer special colours are catered for through the use of the RAL numbering system.

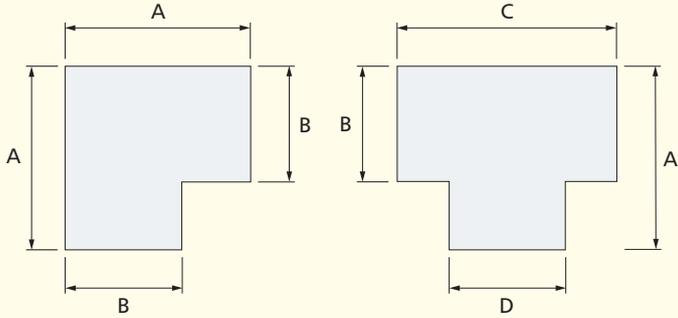
## Skirting and Dado Trunking System



PRESTIGE PLUS ALUMINIUM CABLE CAPACITY														
Type of Conductor	Size	Cable Factor	Cmpt 1		Cmpt 2		Cmpt 2 (25mm box depth)		Cmpt 2 (35mm box depth)		Cmpt 3		Cmpt 4	
			Full Term CSA 100%Fill (mm <sup>2</sup> )											
			1432	3450	1335	820	1562	3397						
			Term at 45% Fill (mm <sup>2</sup> )											
			646	1553	601	369	703	1529						
Power Cables			No. of Cables at 45% Fill											
PVC Power	1.5mm <sup>2</sup>	8.6	75	180	69	42	81	177						
PVC Power	2.5mm <sup>2</sup>	12.6	51	123	47	29	55	121						
PVC Power	4mm <sup>2</sup>	16.6	38	93	36	22	42	92						
PVC Power	6mm <sup>2</sup>	21.2	30	73	28	17	33	72						
Data Cables			No. of Cables at 45% Fill (a) and Full Capacity (b)											
			a	b	a	b	a	b	a	b	a	b	a	b
Cat 5E UTP	5.5mm dia.	30.2	21	47	51	114	19	44	12	27	23	51	50	112
Cat 5E STP	6.0mm dia.	36.0	17	39	43	95	16	37	10	22	19	43	42	94
Cat 6 UTP	6.5mm dia.	42.2	15	34	36	81	14	31	8	19	16	37	36	80
Cat 6 STP	7.0mm dia.	49.0	13	29	31	70	12	27	7	16	14	31	31	69

## Skirting and Dado Trunking System

### Components

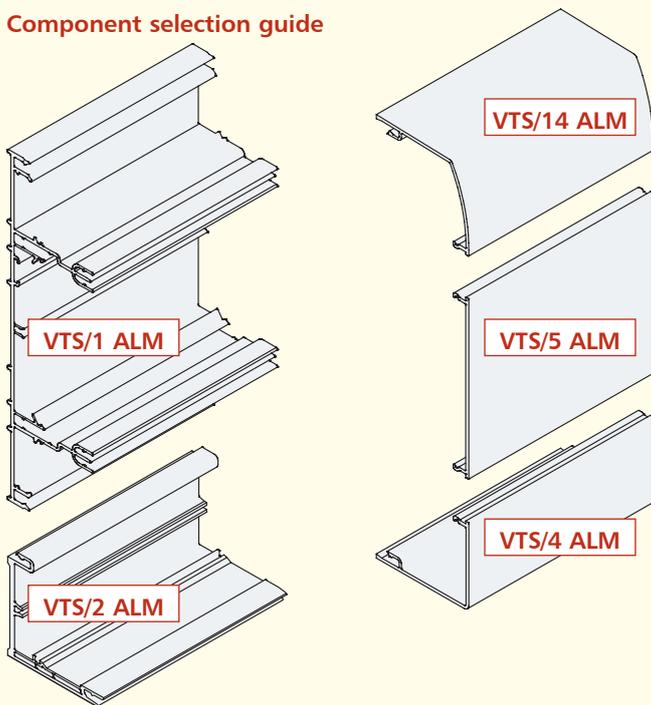


DIMENSIONS (mm)				
<b>Flat angle</b>	<b>A</b>	<b>B</b>		
L	269	170		
M	269	170		
N	315	215		
<b>Flat T details</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
L (Up & Down)	270	170	366	170
M (Up)	270	170	366	170
M (Down)	270	170	366	170
N (Up)	315	215	366	170
N (Down)	315	260	460	260

### 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.

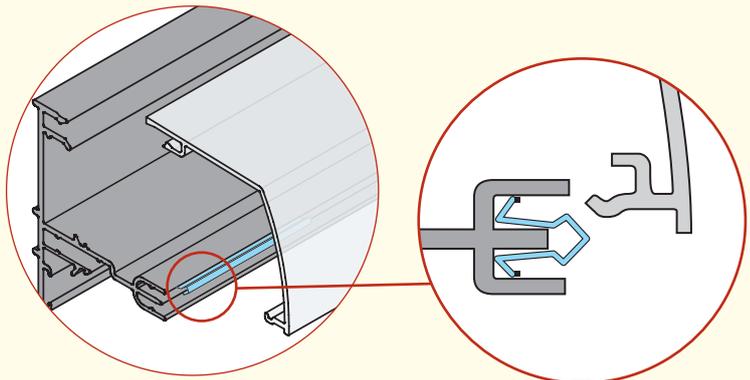
### Component selection guide



Profile L	
Carrier	Cover
VTS/1	VTS/14 ALM
	VTS/5 ALM
	VTS/14 ALM

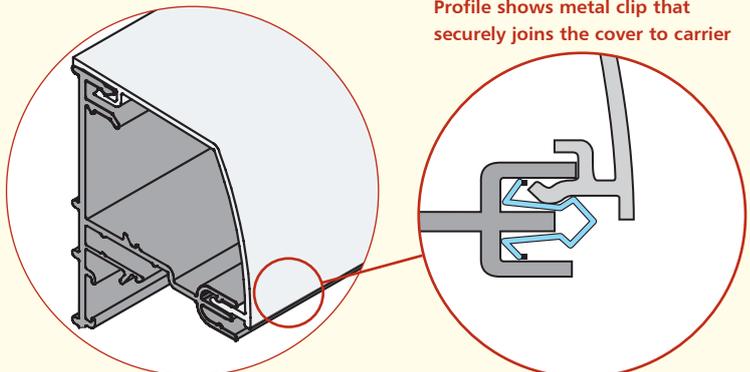
Profile M	
Carrier	Cover
VTS/1	VTS/14 ALM
	VTS/5 ALM
	VTS/4 ALM

Profile N	
Carrier	Cover
VTS/1	VTS/14 ALM
	VTS/5 ALM
VTS/2	VTS/5 ALM



Profile shows metal clip that securely joins the cover to carrier

The tables on the right show which components (pictured above) are required to make each trunking profile.



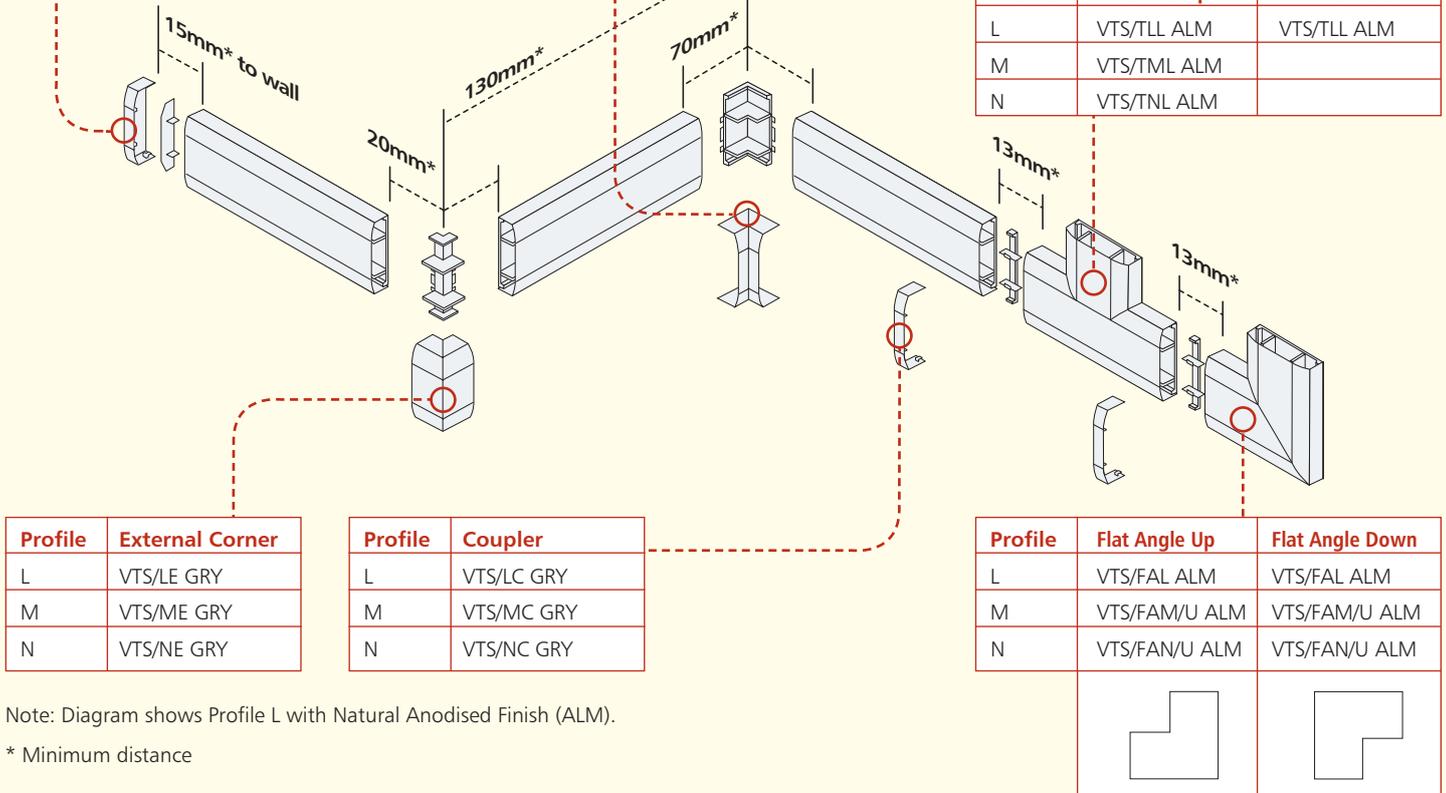
## Skirting and Dado Trunking System

### Component selection guide

L	VTS/LS GRY
M	VTS/MS GRY
N	VTS/NS GRY

Profile	Internal Corner
L	VTS/LI GRY
M	VTS/MI GRY
N	VTS/NI GRY

Profile	Flat Tee Up	Flat Tee Down
L	VTS/TLL ALM	VTS/TLL ALM
M	VTS/TML ALM	
N	VTS/TNL ALM	



Note: Diagram shows Profile L with Natural Anodised Finish (ALM).

\* Minimum distance

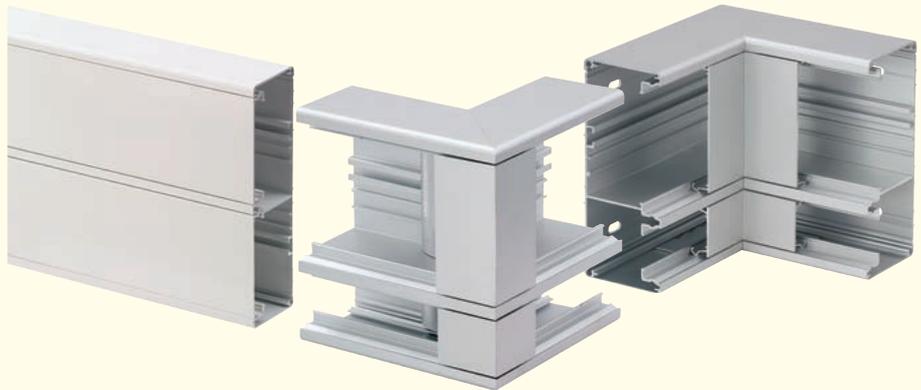
## Data Trunking System

### Standards and approvals

The Axim aluminium trunking system conforms to the requirements of BS EN 50085-1: 2005. Cable Trunking Systems and Cable Ducting Systems for electrical installations. Part 1 General requirements.

### Features

- Three unique profiles with maximum data capacity
- Total physical and visual integration with the Edge™ range of MK wiring accessories
- Pre-punched trunking bases speed installation
- Pre-punched divider on 2-compartment profiles allows easy access to mounting boxes
- Radius inserts for data cable compatibility
- Made from 100% aluminium, including fittings anodised as standard



### Description

Axim is an elegant, sleek aluminium trunking system for skirting and dado applications. It is designed to combine the superior appearance of aluminium, the robust practicality of an all-metal system and ease of installation. Pre-punched bases, compartment divider knockouts and bend radii simplify fixing and wiring. Axim has been designed to be compatible with all MK wiring accessories. With its bold lines and faultless finish, Axim is the ideal choice for commercial offices, schools, colleges and hospitals where strength and functionality are paramount.

### Technical specification

#### IEE Wiring Regulations

All products are designed and manufactured to allow installation to comply with BS 7671: 2008.

#### Material

Aluminium AW 6060.

Complying with BS EN 573 and BS EN 755.

#### Quality Assurance

The system is manufactured to BS EN ISO 9002.

#### Earth Continuity

The system makes provision for earth bonding where required in accordance with BS 7671: 2008.

#### EMC

Provides a screen for computer service cables.

#### Special Coupler Connector

Unique, spring steel, push fit metal connectors that can provide earth bonding between trunking carriers if fitted correctly.

#### Impact Classification

Metal components will withstand "heavy" impact as defined in EN 50085-1.

#### Thermal Properties

Min/Max installation and application temperature  $-5^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

Coefficient of linear expansion  $23 \times 10^{-6}$  per  $^{\circ}\text{C}$ .

1mm/m for  $40^{\circ}\text{C}$  rise.

#### Resistivity

Max ( $20^{\circ}\text{C}$ )  $0.03 \Omega \text{ mm}^2/\text{m}$ .

Conductivity ( $20^{\circ}\text{C}$ ) 55% IACS.

#### Maintenance

Aluminium alloys require little or no maintenance to retain their original mechanical properties. Anodised surfaces are resistant to staining but nevertheless benefit from a regular wipe with a soapy damp cloth (neutral 5 to 7 ph value).

#### Colours

Aluminium – Anodised finish thickness 5 – 10 micron.

Also, choices of over 180 RAL paint colours on special orders (subject to minimum order value).

#### Ingress Protection

Rated at IP4X if used in conjunction with coupler covers and pins.

Standard assembly rated to IP2X.

#### Chemical Properties

Corrosion only occurs, to any extent when the ph value is less than 3, or greater than 9.

#### Biological

The trunking system is resistant to vermin and termites.

#### CE Marking

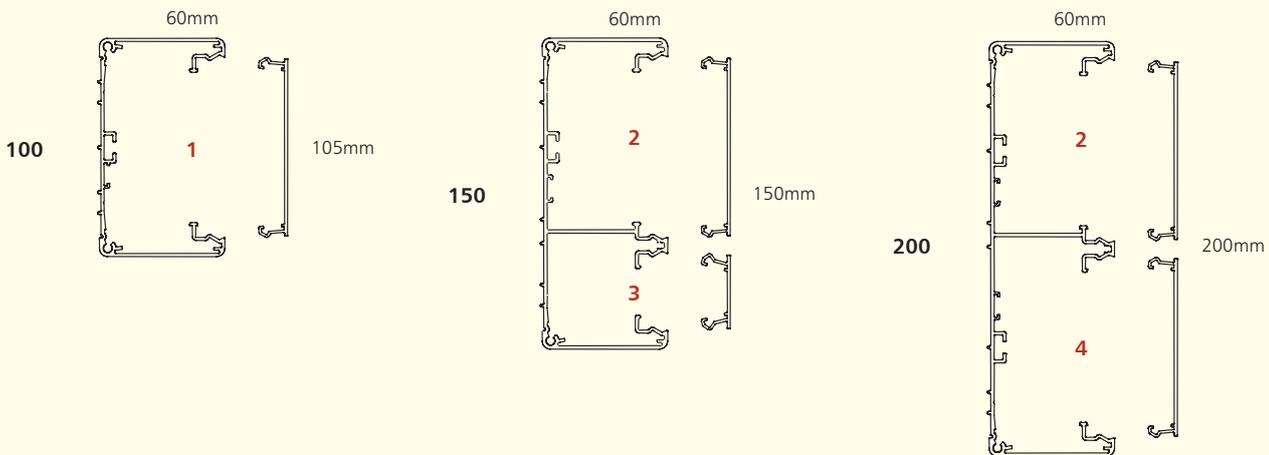
The products within this range are CE marked and conform to the LV directive.

## Data Trunking System

### Profiles

Compartment CSA mm<sup>2</sup>

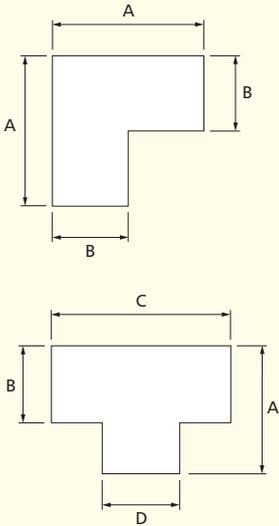
- 1 = 5506
- 2 = 4943
- 3 = 2795
- 4 = 5585



CABLE CAPACITY																				
Type of conductor	Size	Cable factor	Profile 100 (105 x 60mm)		Profile 100 (105 x 60mm) with 35mm deep box		Profile 150 (150 x 60mm)		Profile 150 (150 x 60mm) with 35mm deep box		Profile 200 (200 x 60mm)		Profile 200 (200 x 60mm) with 35mm deep box							
			Compartment 2	Compartment 3	Compartment 2	Compartment 3	Compartment 1	Compartment 2	Compartment 4	Compartment 2	Compartment 4									
			<b>Full Term CSA (mm<sup>2</sup>)</b>																	
			5506	2783	4943	2795	2162	4943	5585	2162	2859									
			<b>Term at 45% fill (mm<sup>2</sup>)</b>																	
			2477	1252	2224	1257	972	2224	2513	972	1286									
<b>Power cables</b>			<b>Number of cables at 45% fill</b>																	
	1.5mm <sup>2</sup>	8.6	288	145	258	146	113	258	292	113	149									
PVC	2.5mm <sup>2</sup>	12.6	196	99	176	99	77	176	199	77	102									
stranded	4mm <sup>2</sup>	16.6	149	75	133	75	58	133	151	58	77									
	6mm <sup>2</sup>	21.2	116	59	104	59	45	104	118	45	60									
<b>Data cables</b>			<b>Number of cables at 45% fill (a) and full capacity (b)</b>																	
			a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	82	182	41	92	73	163	41	92	32	71	73	163	83	184	32	71	42	94
Cat5E STP	6.0mm dia.	36.0	68	152	34	77	61	137	34	77	27	60	61	137	69	155	27	60	35	79
Cat6 UTP	6.5mm dia.	42.2	58	130	29	65	52	117	29	66	23	51	52	117	59	132	23	51	30	67
Cat6 STP	7.0mm dia.	49.0	50	112	25	56	45	100	25	57	19	44	45	100	51	113	19	44	26	58

## Data Trunking System

### Flat angles and tees



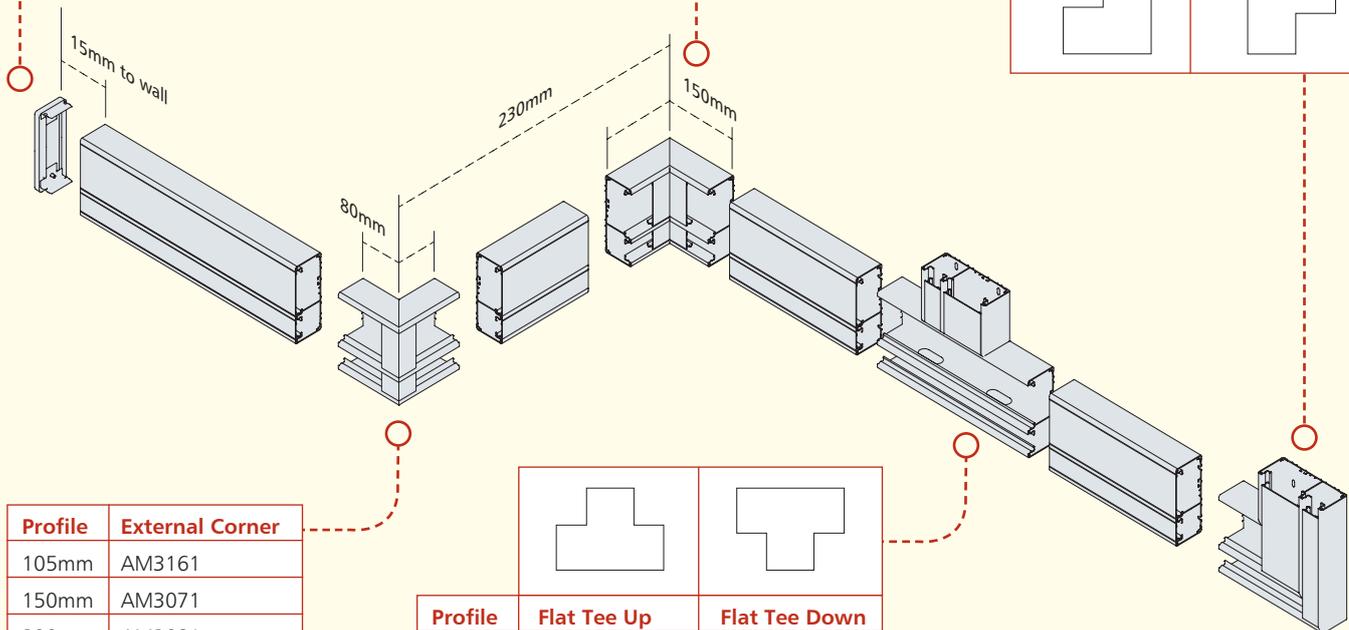
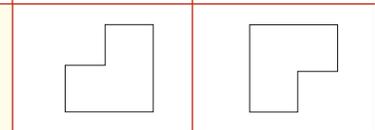
FABRICATED ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
AM3091	105mm flat angle	195mm	105mm		
AM3101	150mm flat angle (up)	240mm	150mm		
AM3111	150mm flat angle (down)	240mm	150mm		
AM3121	200mm flat angle	290mm	200mm		
AM3131	105mm flat tee	201mm	105mm	300mm	105mm
AM3141	150mm flat tee (up)	248mm	150mm	350mm	150mm
AM3151	150mm flat tee (down)	248mm	150mm	350mm	150mm
AM3161	200mm flat tee	296mm	200mm	400mm	200mm

### Component selection guide

Profile	End Cap
105mm	AM3171
150mm	AM3181
200mm	AM3191

Profile	Internal Corner
105mm	AM3031
150mm	AM3041
200mm	AM3051

Profile	Flat Angle Up	Flat Angle Down
105mm	AM3091	AM3091
150mm	AM3101	AM3111
200mm	AM3121	AM3121



Profile	External Corner
105mm	AM3161
150mm	AM3071
200mm	AM3081

Profile	Flat Tee	
	Flat Tee Up	Flat Tee Down
105mm	AM3131	AM3131
150mm	AM3141	AM3151
200mm	AM3161	AM3161

## Data Trunking System

### Features

- System bend radius 50mm  
Meets Cat 6 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 LU6C 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.

### 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.

## Data Trunking System

### Dimensions (mm)

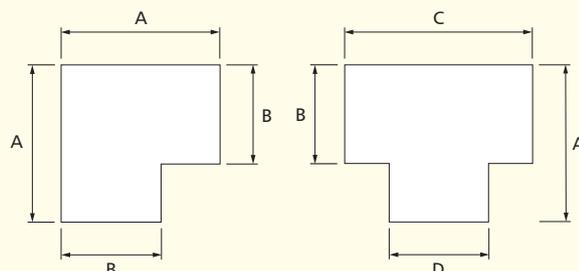


PRESTIGE 2COM CABLE CAPACITY										
Type of Conductor	Size	Cable Factor	Cmpt 1		Cmpt 1 with 25mm back box		Cmpt 1 with 35mm back box		Cmpt 1 with Ext Corner 50mm Data Bend	
			<b>Full Term CSA 100% Fill (mm<sup>2</sup>)</b>							
			<b>4466</b>	<b>2236</b>	<b>1633</b>	<b>1633</b>	<b>1633</b>	<b>1633</b>	<b>3132</b>	<b>3132</b>
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>							
			<b>2009</b>	<b>1006</b>	<b>734</b>	<b>734</b>	<b>734</b>	<b>734</b>	<b>1409</b>	<b>1409</b>
Power Cables			Number of Cables at 45% Fill							
PVC Stranded	1.5mm <sup>2</sup>	8.6	233	116	85	85	85	85	163	163
	2.5mm <sup>2</sup>	12.6	159	79	58	58	58	58	111	111
	4mm <sup>2</sup>	16.6	121	60	44	44	44	44	84	84
	6mm <sup>2</sup>	21.2	94	47	34	34	34	34	66	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
Cat6E UTP	6.5mm dia.	42.2	47	105	23	52	17	38	33	74
Cat6E STP	7.0mm dia.	49.0	41	91	20	45	14	33	28	63

### Components

#### Flat angle

#### Flat tee



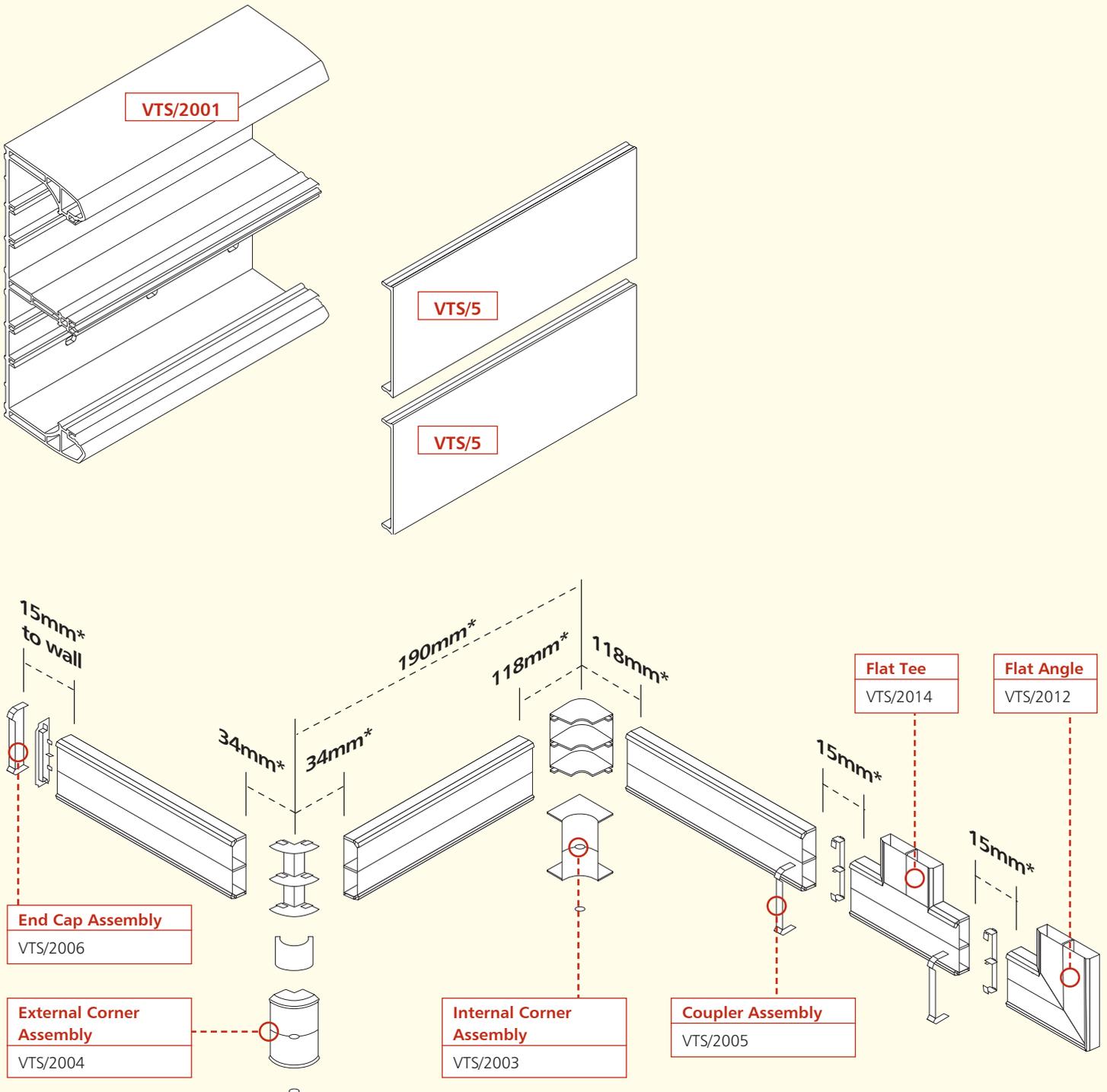
#### Flat angles and tees

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.

DIMENSIONS (mm)				
Flat angle	A	B		
VTS2012	310	210		
Flat T details	A	B	C	D
VTS2014	310	210	410	210

## Data Trunking System

### Component selection guide



\* Minimum distance

## Power Post and Power Pole

### Standards and approvals

Prestige Power Post and Power Poles are manufactured in accordance with the requirements of BS 4678 Part 4.

All systems comply with all relevant requirements of BS 7671: 2008.

- Supply multi-services to work stations
- Discreet, fit neatly under desk (Power Post only)
- 2 colours available
- Compatible with MK and other manufacturer's fittings
- Easy to assemble and install
- Durable and impact resistant
- All extrusions manufactured from 90% recycled materials\*

\* Based on 2008 consumption.



### Description

#### Power Post

MK Power Post provides a means to supply multi-services to work stations as an alternative to, or in conjunction with services outlet boxes. They fit neatly under desks and provide up to ten accessory outlets for any combination of power, telecommunications and data services.

Power posts are available in two finishes – Natural anodized aluminium body with the choice of charcoal or white PVCu covers or white powder coated aluminium with white PVCu covers.

It is recommended that Power Posts are fitted with MK accessories which have thin profile front plates and are available in co-ordinating colours.

When used in conjunction with Ackermann Interact, Powertrack or Screeded systems, Power Posts provide even greater flexibility in cable distribution.



#### Power Pole

MK Power Pole, similar in construction to the Power Post, is a multi-compartment system segregating power, data and telecom circuits and can accommodate a complete range of accessories including fire alarm manual call points.

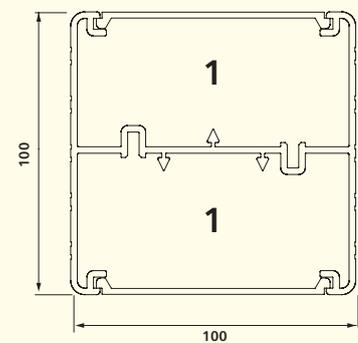
It is suitable for both suspended and solid ceiling applications.

Prestige Power Poles can be easily cut to size on site and are equipped with a jacking facility to assist installation and ensure secure location.



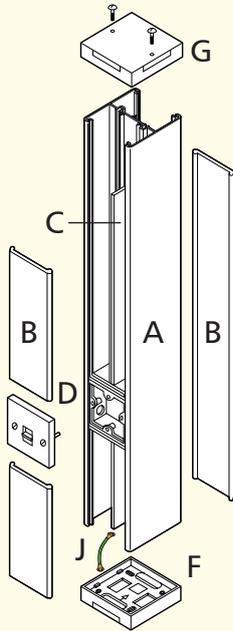
PRESTIGE POLE AND POST CABLE CAPACITY						
Type of Conductor	Size	Cable Factor	Compartment 1		Compartment 1 with PPC20 backbox	
			Full Term CSA 100% Fill (mm <sup>2</sup> )			
			4196		1625	
			Term at 45% Fill (mm <sup>2</sup> )			
			1888		731	
Power Cables			Number of Cables at 45% Fill			
PVC Stranded	1.5mm <sup>2</sup>	8.6	219		85	
	2.5mm <sup>2</sup>	12.6	149		58	
	4mm <sup>2</sup>	16.6	113		44	
	6mm <sup>2</sup>	21.2	89		34	
Data Cables			Number of Cables at 45% Fill (a) and Full Capacity (b)			
			a	b	a	b
Cat 5E UTP	5.5mm dia.	30.2	62	138	24	53
Cat 5E STP	6.0mm dia.	36.0	52	116	20	45
Cat 6 UTP	6.5mm dia.	42.2	44	99	17	38
Cat 6 STP	7.0mm dia.	49.0	38	85	14	33

### Dimensions (mm)



For a full range of corresponding products, see pages 58-59 in the product selector.

## Power Post and Power Pole

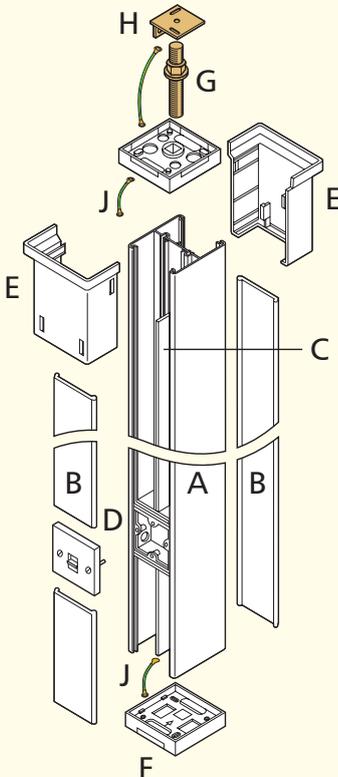


### Power Post assembly

DIMENSIONS		
List. No.	Size (overall) mm	Weight kg (each)
PPT 650	650 x100 x100	3.32

Part	Description	Qty.
A	Power Post Body (650mm long)	1
B	Cover Section (650mm long)	2*
C	Dividing Strip (not supplied)	
D	Outlet Box Assembly	5
E	SELOK Pins (not shown)	4
F	End Load Plate	1
G	Top Cover + Screws	1
J	Earth Link Strap	1

\*Four cover sections are supplied with PPT650 ALM – 2 x White & 2 x Charcoal



### Power Pole assembly

DIMENSIONS		
List. No.	Size (overall) mm	Weight kg (each)
PPA 100	3600 x100 x100	15.0

Part	Description	Qty.
A	Power Pole Body 3.6m long	1
B	Cover Section 3.6m long	2*
C	Dividing Strip 3.0m long	2
D	Outlet Box Assembly	6
E	Top End Collar	1
F	End Load Plates	2
G	Jacking Screw Assembly	1
H	Jack Locating Plate	1
J	Earth Link Strap	3

\* Four cover sections are supplied with PPT100 ALM – 2 x White & 2 x Charcoal.

### Installation

Power Poles and Power Posts are supplied as complete kits as per list and are to be assembled as described in the appropriate Installation Instruction booklet.

Additional accessory boxes are available, List No. PPC20.

Additional Dividing strip is available, List No. PPC10.

## Skirting and Dado Trunking System

### Technical specification

#### Electrical

Voltage rating:  
63A, 250V a.c.

Voltage drop:  
L to N = 3.47 mV/A/metre run  
L to E = 3.47 mV/A/metre run  
N to E = 3.47 mV/A/metre run

Earth fault loop impedance:  
L to E = 3.47 mΩ/m run

Conditional short circuit rating:  
(Fuse links BS 88 – 100A and BS 1361 100A)

Prospective current 16.5 KA

Mechanical withstand 10.0 KA peak min.



### Description

Powerlink Plus is a trunking distribution system which contains within its profile a 63 Amp single phase set of busbars and facilities for carrying telecommunications and data services cables. Co-ordinated within the system is a wide variety of electrical and extra low voltage (ELV) outlets.

On the mains side these include specially designed sockets, both switched and unswitched, non-standard switchsockets, switches, connection units and, via a simple interface, facilities for mounting all standard MK outlets.

ELV outlets include a master telephone socket outlet, an isolated co-axial socket outlet, "handset" telephone linejack outlet, computer sockets, a blank box and cover to accommodate other ELV requirements and, via a simple interface, facilities for mounting all single gang, standard MKELV outlets. Also available are BNC type, LU6C/RJ45 outlets, Euro Outlets and a blank to accommodate other ELV requirements.



### Features

- Wide variety of visually and physically compatible mains and ELV outlets
- Complete segregation between mains and ELV
- Stylish and elegant appearance
- Easy to assemble, extend and modify
- Durable and impact resistant
- Attractive styling
- Suitable for skirting or dado mounting
- 3 compartment trunking
- Manufactured to high precision standards
- All extrusions manufactured from 90% recycled material\*

For a full range of corresponding products, see pages 61-71 in the product selector.

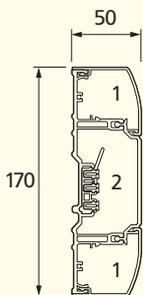
\* Based on 2008 consumption.

## Skirting and Dado Trunking System

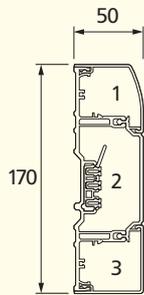
### Dimensions (mm)

The dado trunking is divided into three compartments. Two identical outer compartments are mainly for ELV cables with a third central compartment containing the busbars with a cable way above. The cable carrying capacity can be increased by introducing an extension trunking below the surface track.

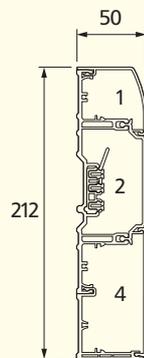
**Cross section through Dado trunking**



**Cross section through Skirting and Dado trunking**



**Cross section through Skirting and Dado trunking with extension**



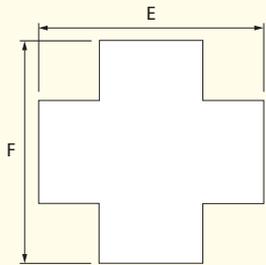
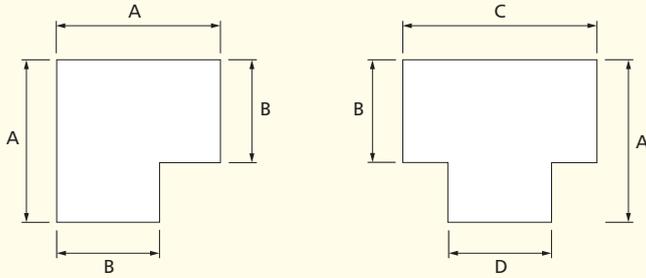
WALL THICKNESS	
Trunking base	2.4mm
Centre compartment cover	2.5mm
Curved cover	1.5mm
Extension cover	2.5mm
Extension base	3.0mm

WEIGHT (KG)			
Type		Number of compartments with screening	
		1	2
Dado trunking without busbar (1903)	2.4	3.0	3.6
Dado trunking with busbar (1963)	3.0	3.6	4.2
Extension trunking (1913)	1.0	2.3	–

POWERLINK PLUS CABLE CAPACITY												
Type of Conductor	Size	Cable Factor	Cmpt 1 (curved)	Cmpt 2 (without busbar)	Cmpt 2 (with busbar)	Cmpt 3 (square)	Cmpt 4 (extension)					
			<b>Full Term CSA 100% Fill (mm<sup>2</sup>)</b>									
			943	2968	2528	1044	2685					
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>									
			424	1335	1137	469	1208					
Power Cables			Number of Cables at 45% Fill									
PVC Stranded	1.5mm <sup>2</sup>	8.6	49	155	132	54	140					
	2.5mm <sup>2</sup>	12.6	33	105	90	37	95					
	4mm <sup>2</sup>	16.6	25	80	68	28	72					
	6mm <sup>2</sup>	21.2	20	62	53	22	56					
Data Cables			Number of Cables at 45% Fill (a) and Full Capacity (b)									
			a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	14	31	44	98	0	0	15	34	40	88
Cat5E STP	6.0mm dia.	36.0	11	26	37	82	0	0	13	29	33	74
Cat6 UTP	6.5mm dia.	42.2	10	22	31	70	0	0	11	24	28	63
Cat6 STP	7.0mm dia.	49.0	8	19	27	60	0	0	9	21	24	54

## Skirting and Dado Trunking System

### Components

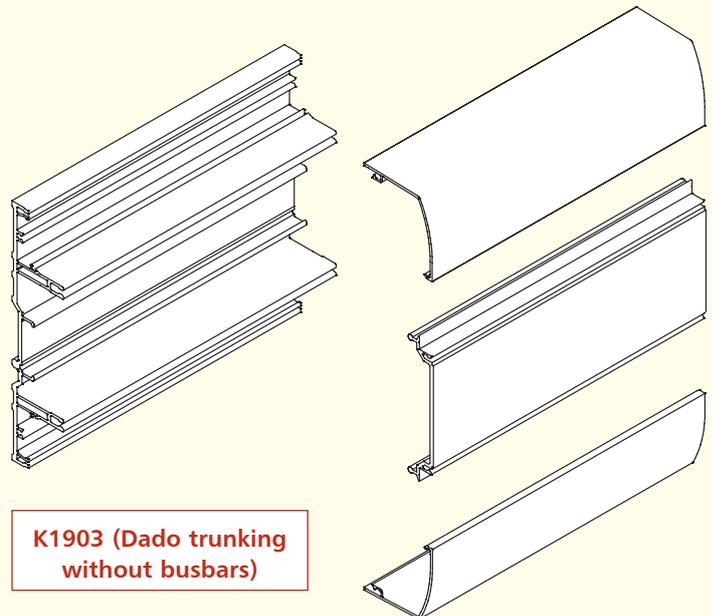


### Flat angles and tees

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.

DIMENSIONS (MM)					
Flat Angle	A	B	Flat Cross	E	F
Dado	270	170		370	370
Skirting	270	170		–	–
Skirting (with extension)	315	215		–	–

DIMENSIONS (MM)				
Flat Tee	A	B	C	D
Dado	270	170	320	170



**K1903 (Dado trunking without busbars)**

## Skirting and Dado Trunking System

### Component selection guide

Trunking	End Cap
K1963	K1904
K1903	K1904
K1962	K1944
K1902	K1944
K1913	K1914

Trunking	Flat Cross
K1963	K1974
K1903	K1974

Trunking	Flat Angle Up	Flat Angle Down
K1963	K1992	K1992
K1903	K1992	K1992
K1962	K1957	K1958
K1902	K1957	K1958
K1916	K1994	K1993

Trunking	Ext Corner
K1963	K1906
K1903	K1906
K1962	K1912
K1902	K1912
K1913	K1916

Trunking	Int Corner
K1963	K1905
K1903	K1905
K1962	K1911
K1902	K1911
K1913	K1915

Trunking	Coupler
K1963	K1908
K1903	K1908
K1962	K1945
K1902	K1945
K1916	K1918

Trunking	Flat Tee Up	Flat Tee Down
K1963	K1973	K1972
K1903	K1973	K1972

Trunking	Flat Tee Up	Flat Tee Down
K1963	K1973	K1972
K1903	K1973	K1972

Cable link assembly
1919

Cable termination
10mm <sup>2</sup> 1923
25mm <sup>2</sup> 1924

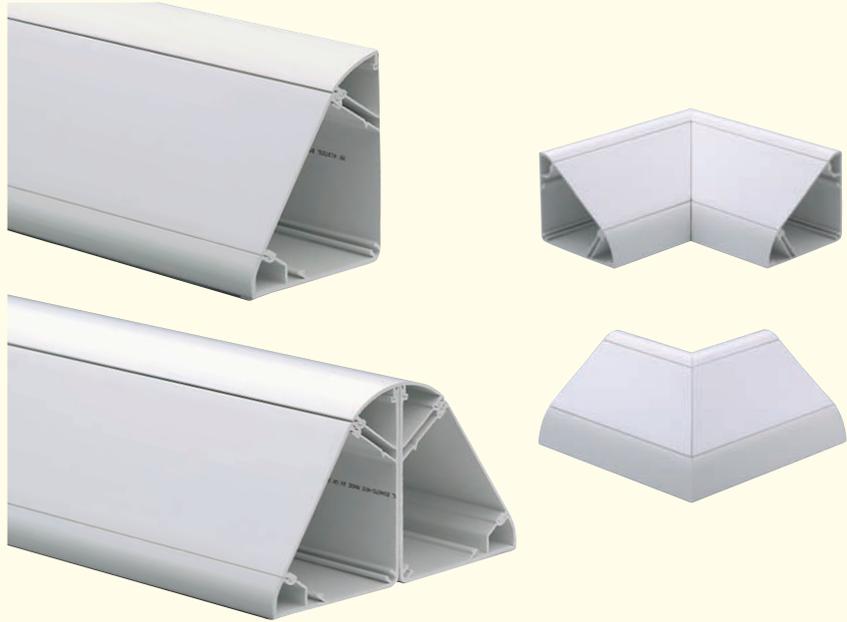
Plug in busbar coupler
1925

\* Minimum distance

## Bench and Shelf Trunking

### Features

- Available in a single or double configuration
- May be fitted either direct to the work surface or inverted above the working area
- Cable segregation is provided by two separate compartments with the facility to further subdivide the main compartment by means of a clip-in cable divider
- Single profiles may be converted to a back to back double assembly. A one-piece centre lid and double end caps complete the coupling
- Prefabricated internal and external corners
- Coupler sets for greater strength and protection
- Bench units are also available to match the system



### Description

Pinnacle is an angular bench trunking system ideally suited for distributing LV electrical and communication services in laboratories, schools and workshops and other applications where the service contacts are mounted on or above desks and benches.

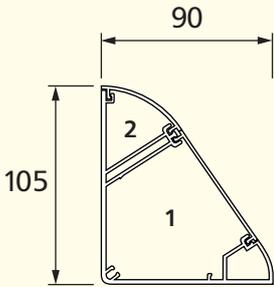


Pinnacle trunking is available in a choice of colours, White and Special. The Special offers a choice of over 180 RAL paint colours.

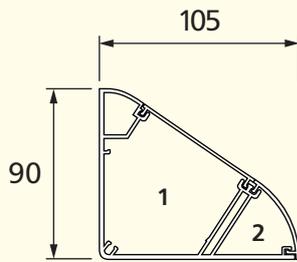


## Bench and Shelf Trunking

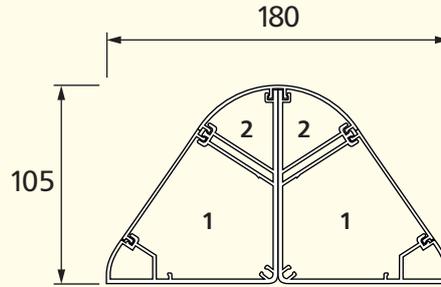
### Dimensions (mm)



Version 1 PTS

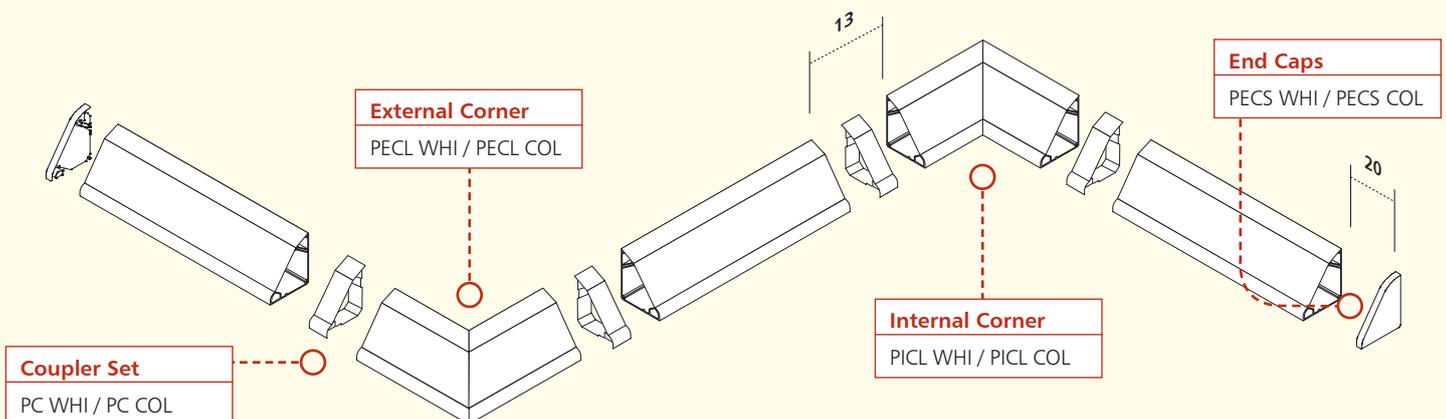
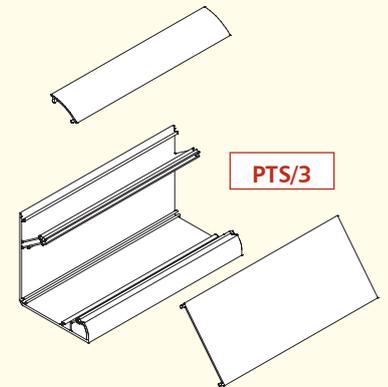


Version 2 PTS



Version 3 PTD

PINNACLE CABLE CAPACITY										
Type of Conductor	Size	Cable Factor	Cmpt 1		Cmpt 1 with 25mm backbox		Cmpt 1 with 35mm backbox		Cmpt 2	
			<b>Full Term CSA 100% Fill (mm<sup>2</sup>)</b>							
			4510	2499	1857	460				
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>							
			2029	1124	835	207				
Power Cables			Number of Cables at 45% Fill							
PVC Stranded	1.5mm <sup>2</sup>	8.6	235	130	97	24				
	2.5mm <sup>2</sup>	12.6	161	89	66	16				
	4mm <sup>2</sup>	16.6	122	67	50	12				
	6mm <sup>2</sup>	21.2	95	53	39	9				
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	67	149	37	82	27	61	6	15
Cat5E STP	6.0mm dia.	36.0	56	125	31	69	23	51	5	12
Cat6 UTP	6.5mm dia.	42.2	48	106	26	59	19	44	4	10
Cat6 STP	7.0mm dia.	49.0	41	92	22	51	17	37	4	9



## Pinnacle Pillar

### Standards and approvals

Conforms to the heavy duty requirement of BS 4678 Part 4 and the IP4X classification of EN 60529.

CE compliant meeting EMU and LV directives.

### Technical specification

#### Materials

PVCu materials used in the manufacture of MK products are self extinguishing non-flame propagating in accordance with BS 4678 Part 4.

Extrusion material has been tested by a NAMAS accredited laboratory in accordance with the requirements of BS476: part 7 and has achieved a Class 1Y.

Moulding material has been tested by a NAMAS accredited laboratory and conforms with IEC 695-2-1 at a severity of 650°C.

#### IEE Wiring Regulations

Designed and manufactured to comply in all respects with BS 7671: 2008.

#### Quality Assurance

The system is manufactured to BS EN ISO 9001.



### Description

Pinnacle Pillars are versatile, vertical multi-compartment systems providing a means to supply LV power, data and telecom services from ceiling or floor voids to specific perimeter locations.

### Installation

This unit cannot be free standing and requires to be fully supported to an adequate wall or structure for its entire length.

See Installation Guide 41973PL for details.

## Integrated Trunking

### Features

- Wide range of integrated components maximise versatility in application
- Simple, clean lines
- Easy to assemble and install
- Data bend option 32mm radius
- High impact resistance and durability
- Tapered joints provide complete protection at junctions masking cut ends
- Continuity of cable distribution through different sized trunking is provided by special end reducers
- Clip on covers provide continuous access for wiring modifications

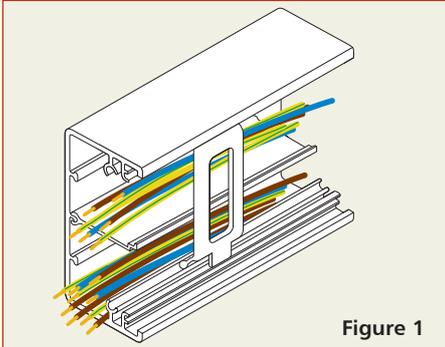
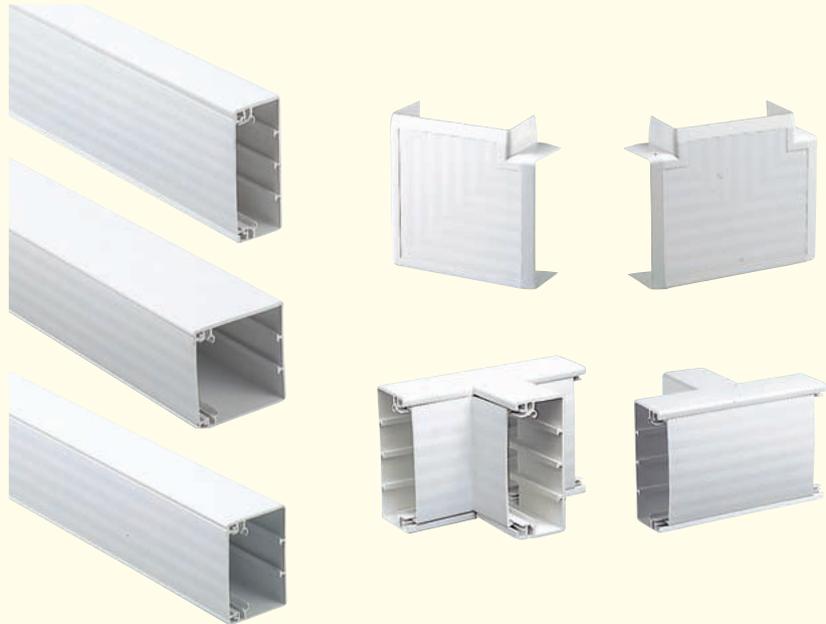


Figure 1

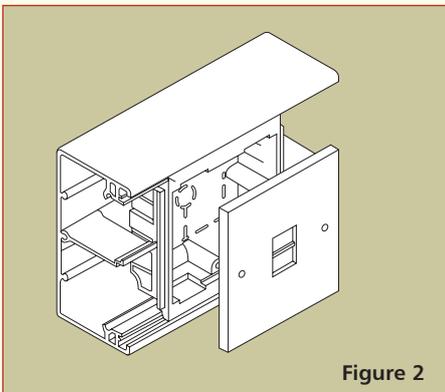


Figure 2

### Description

Premier is an integrated PVCu trunking system for general cable distribution. A comprehensive range of tees, angles, reducers and junctions make a very wide range of configurations possible and the system can be wall or ceiling mounted.

6 trunking sizes are available (see dimensions overleaf) offering the user distribution solutions, from incoming mains to the most remote power, telecom or data outlet.

### Cable segregation (see figure 1)

Each trunking profile incorporates a series of preformed locators which accept clip-in dividers for cable segregation. Special dividers are provided to maintain cable segregation behind outlet positions. Clip-in components are provided for retaining cables within each compartment prior to trunking lids being fitted.

### Finish

Premier lid components are decoratively textured in contrasting linear patterns giving a subtle 'striped' effect.

All other components are in white with a semi matt finish.

### Accessories boxes and Mounting Frames (see figure 2)

One, two and three gang outlets boxes in 25mm, 28mm and 35mm depths and one and two gang outlet frames, allow power, telecom and data outlets to be incorporated where required. MK plug-in lighting can be used with all trunking sizes.

### Materials

PVCu

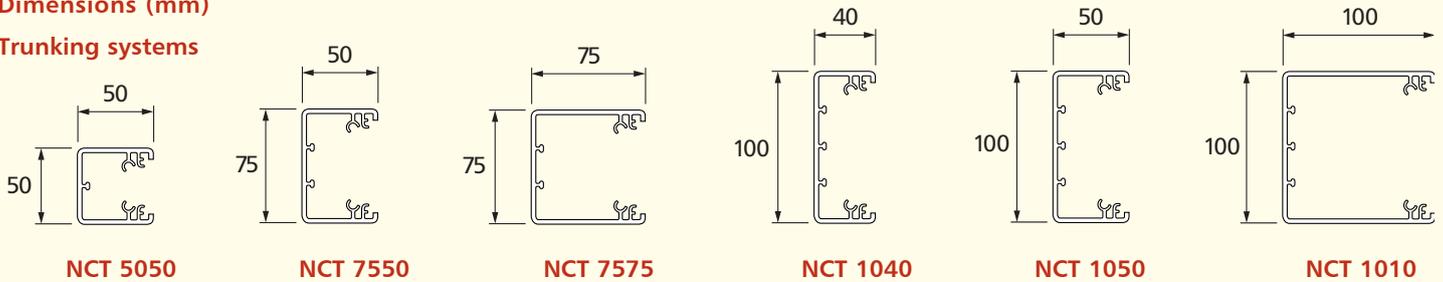
### Colour

The system is available in a standard white colour, plus a choice of over 180 RAL paint colours to special order (minimum order value applies).

## Integrated Trunking

### Dimensions (mm)

#### Trunking systems



NCT 5050

NCT 7550

NCT 7575

NCT 1040

NCT 1050

NCT 1010

PREMIER CABLE CAPACITY																								
Type of Conductor	Size	Cable Factor	NCT 5050	NCT 7550	NCT 7575	NCT 1040	NCT 1050	NCT 1010	NCT 1040 with 25mm backbox	NCT 1050 with 25mm backbox	NCT 1050 with 35mm backbox	NCT 1010 with 25mm backbox	NCT 1010 with 35mm backbox											
			Full Term CSA 100% Fill (mm <sup>2</sup> )																					
			1881	3039	4754	3091	4041	8725	1081	1866	1224	6550	5908											
			Term at 45% Fill (mm <sup>2</sup> )																					
			846	1367	2139	1390	1818	3926	486	839	550	2947	2658											
Power Cables			Number of Cables at 45% Fill																					
PVC	1.5mm <sup>2</sup>	8.6	98	158	248	161	211	456	56	97	63	342	309											
Stranded	2.5mm <sup>2</sup>	12.6	67	108	169	110	144	311	38	66	43	233	210											
	4mm <sup>2</sup>	16.6	50	82	128	83	109	236	29	50	33	177	160											
	6mm <sup>2</sup>	21.2	39	64	100	65	85	185	22	39	25	139	125											
Data Cables			Number of Cables at 45% Fill (a) and Full Capacity (b)																					
			a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	28	62	45	100	70	157	46	102	60	133	130	288	16	35	27	61	18	40	97	216	88	195
Cat5E STP	6.0mm dia.	36.0	23	52	37	84	59	132	38	85	50	112	109	242	13	30	23	51	15	34	81	181	73	164
Cat6 UTP	6.5mm dia.	42.2	20	44	32	72	50	112	32	73	43	95	93	206	11	25	19	44	13	29	69	155	62	140
Cat6 STP	7.0mm dia.	49.0	17	38	27	62	43	97	28	63	37	82	80	178	9	22	17	38	11	24	60	133	54	120

### Applications

The Premier system is ideal for use in factories, workshops, schools, portable accommodation and general commercial buildings where integration of cable distribution with accessory mounting facility is desirable.

Generally systems can be used as follows:

50 x 50, 75 x 50 and 75 x 75mm – general cable distribution.

100 x 40 and 100 x 50mm – where mounting accessories are also required.

100 x 100mm – where mounting accessories and/or generous cable distribution is required.

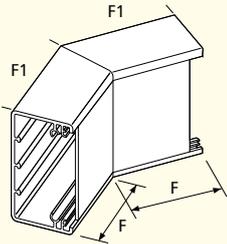
ACCESSORIES		
	For use with	List No.
One gang accessory box and frame	NCT 1040, NCT 1050, NCT 1010 for power and ELV outlets requiring 25mm deep box NCT 1050/NCT 1010 for power and ELV outlets requiring 35mm deep box NCT 1040, NCT 1050, NCT 1010 for power and ELV outlets requiring extra deep accessory space	VTS/6025 VTS/6035 VTS/6000
Two gang accessory box and frame	NCT 1040, NCT 1050, NCT 1010 for power and ELV outlets requiring 25mm deep box NCT 1050/NCT 1010 for power and ELV outlets requiring 35mm deep box NCT 1040, NCT 1050, NCT 1010 for power and ELV outlets requiring extra deep accessory space	VTS/7025 VTS/7035 VTS/7000
Three gang accessory box	NCT 1040, NCT 1050, NCT 1010 for power and ELV outlets requiring 28mm deep box	VTS/8028
Mini trunking adaptor	Integrates Premier with YEA/1, YEA 2, YEA/200, YEA3 CMA/1, CMA/3, CMA/4 Mini trunking fittings	NYT/100
Partition wall cover	NCT 1040	NWC/1040

## Integrated Trunking

### Components

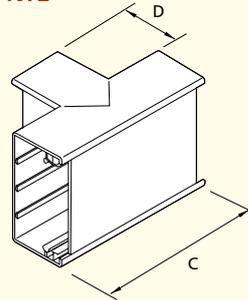
The five components that follow are fabricated sections and space must be allowed for their inclusion in runs of trunking. All other components snap on over standard trunking profiles.

#### Internal angle (135°) NMI



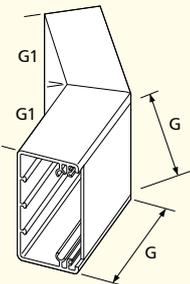
		F mm	F1 mm
NMI	5050	75	96
	7550	75	96
	7575	75	106
	1040	75	92
	1050	75	96
	1010	75	116

#### External Tee NTE



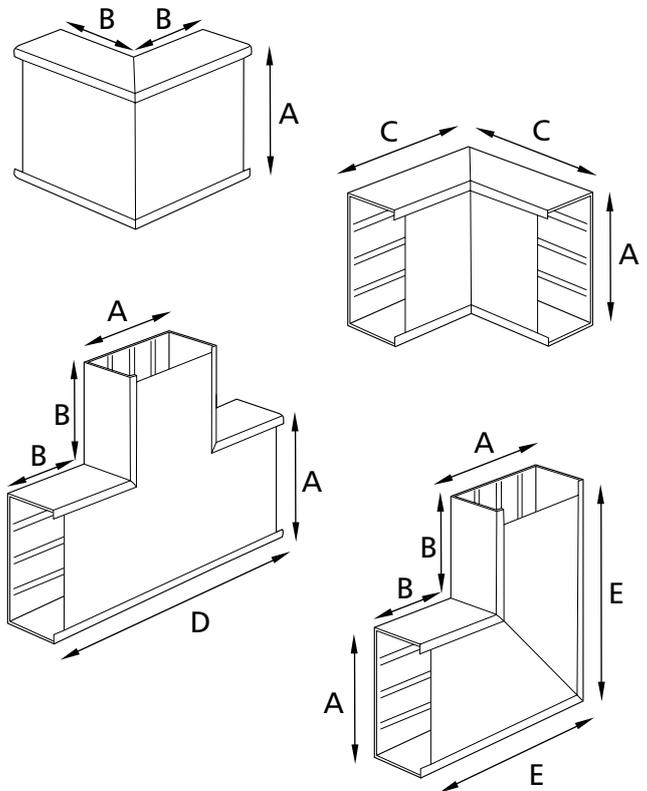
		C mm	D mm
NTE	5050	150	50
	7550	150	50
	7575	225	75
	1040	150	60
	1050	150	50
	1010	250	75

#### External angle (135°) NMO

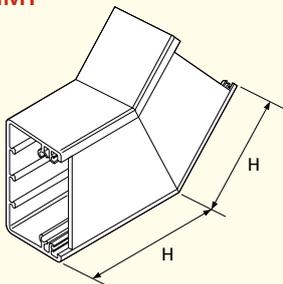


		G mm	G1 mm
NMO	1050	96	75
	7550	96	75
	7575	106	75
	1040	92	75
	1050	96	75
	1010	116	75

#### Fabricated fittings (for 1050 only)

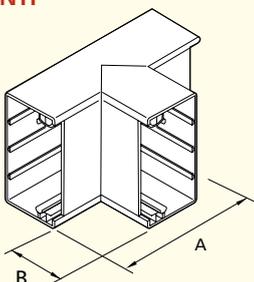


#### Flat angle (135°) NMT



		H mm
NMT	5050	96
	7550	106
	7575	106
	1040	116
	1050	116
	1010	116

#### Internal Tee NTI

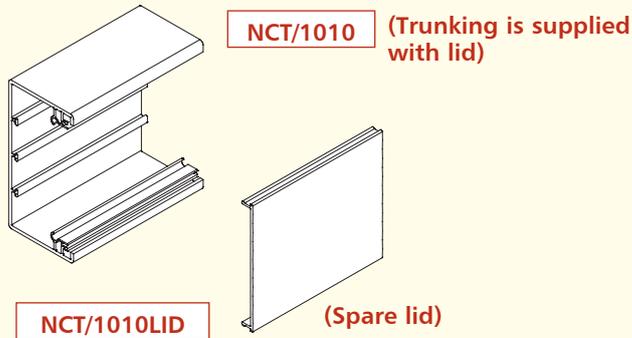


		A mm	B mm
NTI	5050	150	50
	7550	150	50
	7575	225	75
	1040	150	60
	1050	150	50
	1010	250	75

#### DIMENSIONS (mm)

A	B	C	D	E
100	75	125	250	175

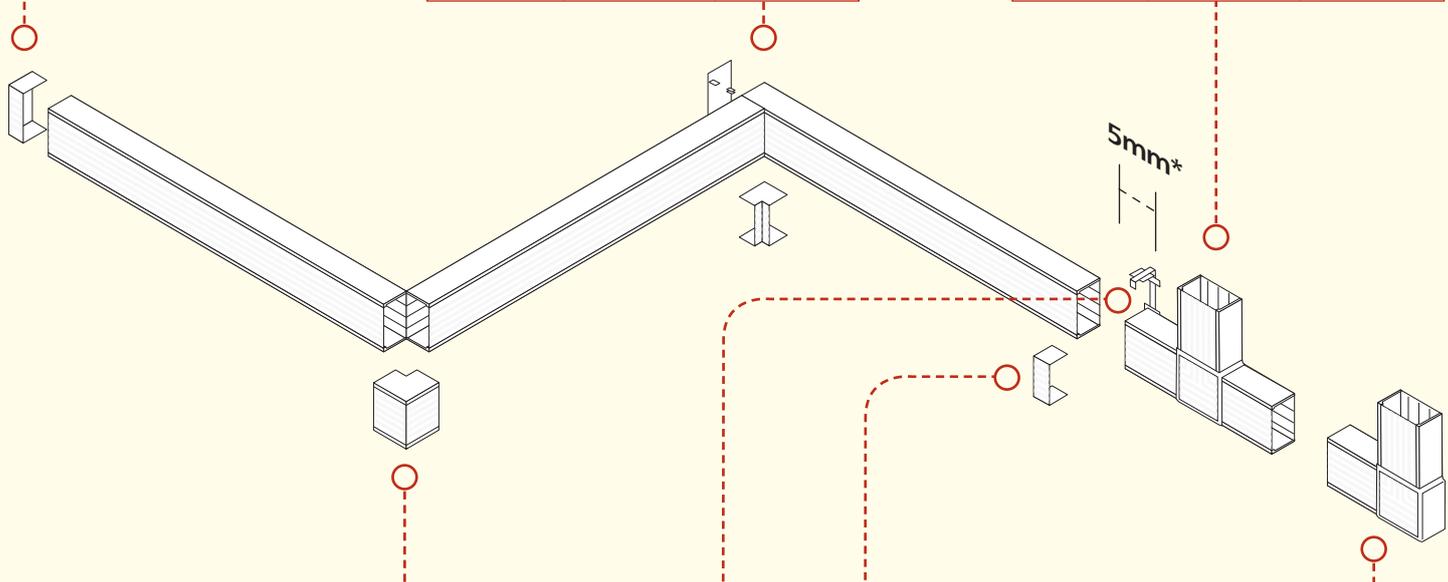
## Integrated Trunking



Profile	End Cap
50 x 50	NEP/5050
75 x 50	NEP/7550
75 x 75	NEP/7575
100 x 40	NEP/1040
100 x 50	NEP/1050
100 x 100	NEP/1010

Profile	Int Corner	With Data Corner
50 x 50	NAI/5050	
75 x 50	NAI/7550	
75 x 75	NAI/7575	
100 x 40	NAI/1040	
100 x 50	NAI/1050	NDAI/1050
100 x 100	NAI/1010	

Profile	Flat Tee	With Data Corner
50 x 50	NTF/5050	
75 x 50	NTF/7550	
75 x 75	NTF/7575	
100 x 40	NTF/1040	
100 x 50	NTF/1050	NDAF/1050
100 x 100	NTF/1010	



Profile	Ext Corner	With Data Corner
50 x 50	NAE/5050	
75 x 50	NAE/7550	
75 x 75	NAE/7575	
100 x 40	NAE/1040	
100 x 50	NAE/1050	NDAE/1050
100 x 100	NAE/1010	

Profile	Int Coupler	Joint Cover
50 x 50	NCI/5050	NJC/5050
75 x 50	NCI/7550	NJC/7550
75 x 75	NCI/7575	NJC/7575
100 x 40	NCI/1040	NJC/1040
100 x 50	NCI/1050	NJC/1050
100 x 100	NCI/1010	NJC/1010

Profile	Flat Angle	With Data Corner
50 x 50	NAF/5050	
75 x 50	NAF/7550	
75 x 75	NAF/7575	
100 x 40	NAF/1040	
100 x 50	NAF/1050	NDAF/1050
100 x 100	NAF/1010	

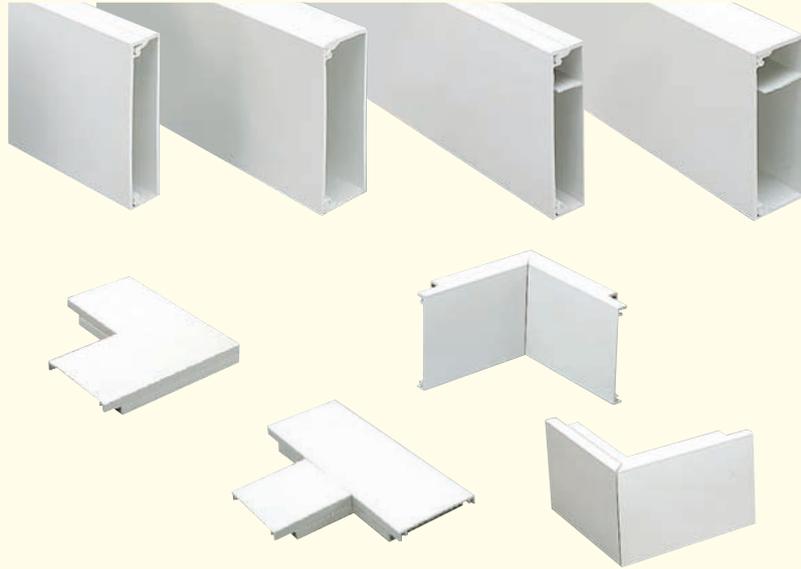
Note: Diagram shows profile 1050.

\* Minimum distance

## Trunking

### Features

- 2 sizes with one or two compartments
- Easy to add sockets and outlets once installed
- Wall or ceiling mounting possible
- Wide range of integrated components maximises versatility of application
- Unobtrusive and neat
- Easy to assemble and install
- Durable and impact resistant to Heavy Classification BS 4678 Part 4
- All extrusions manufactured from 90% recycled material\*



### Description

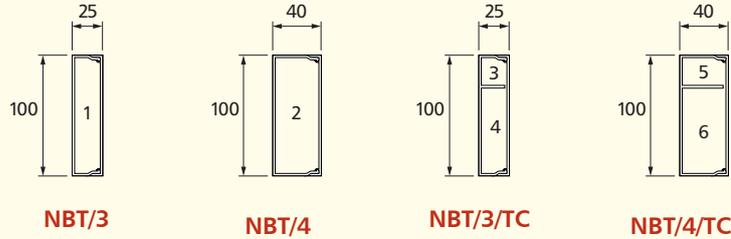
Norwich trunking is available in two depths with one or two compartments for wall or ceiling mounting. The standard version is 40mm deep with a 25mm deep option, where lack of space makes the projection critical. Accessory mounting frames are located within the trunking, providing a visually co-ordinated system with the facility to relocate and extend accessory outlet positions as required.

The system is widely used in schools, offices and commercial installations because of its durability and the ability to retrofit extra sockets and outlets as required.

**Material:** PVCu **Colour:** White only

\* Based on 2008 consumption.

### Dimensions (mm)



NORWICH CABLE CAPACITY														
Type of Conductor	Size	Cable Factor	NBT3 (1)	NBT3TC (3)	NBT3TC (4)	NBT4 (2)	NBT4TC (5)	NBT4TC (6)						
			<b>Full Term CSA 100%Fill (mm<sup>2</sup>)</b>											
			1805	384	1383	3230	706	2455						
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>											
			812	172	622	1453	317	1104						
Power Cables		Number of Cables at 45% Fill												
PVC Stranded	1.5mm <sup>2</sup>	8.6	94	20	72	168	36	128						
	2.5mm <sup>2</sup>	12.6	64	13	49	115	25	87						
	4mm <sup>2</sup>	16.6	48	10	37	87	19	66						
	6mm <sup>2</sup>	21.2	38	8	29	68	14	52						
Data Cables		Number of Cables at 45% Fill (a) and Full Capacity (b)												
			a	b	a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	26	59	5	12	20	45	48	106	10	23	36	81
Cat5E STP	6.0mm dia.	36.0	22	50	4	10	17	38	40	89	8	19	30	68
Cat6 UTP	6.5mm dia.	42.2	19	42	4	9	14	32	34	76	7	16	26	58
Cat6 STP	7.0mm dia.	49.0	16	36	3	7	12	28	29	65	6	14	22	50

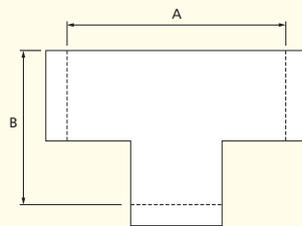
### Components

The four components shown opposite are fabricated sections and space must be allowed for inclusion in runs of trunking. All other components snap on over standard trunking profiles.

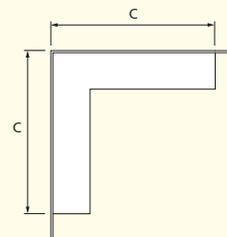
List No.	Component dimensions			
	A	B	C	D
NBT/3	240	170	125	125
NBT/4	240	170	140	140

The four components shown below are fabricated sections and space must be allowed for inclusion in runs of trunking. All other components snap on over standard trunking profiles.

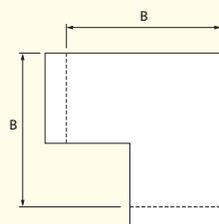
#### Flat Tee



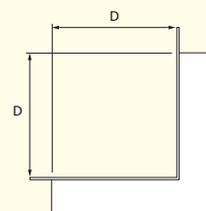
#### External Corner



#### Flat Angle

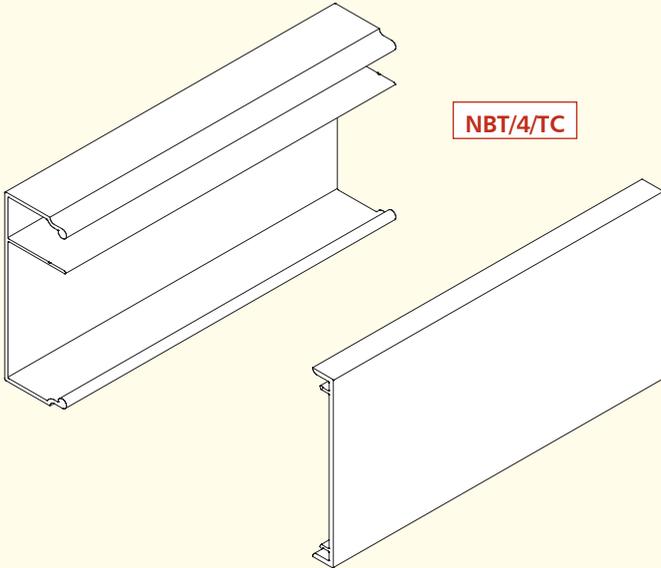


#### Internal Corner



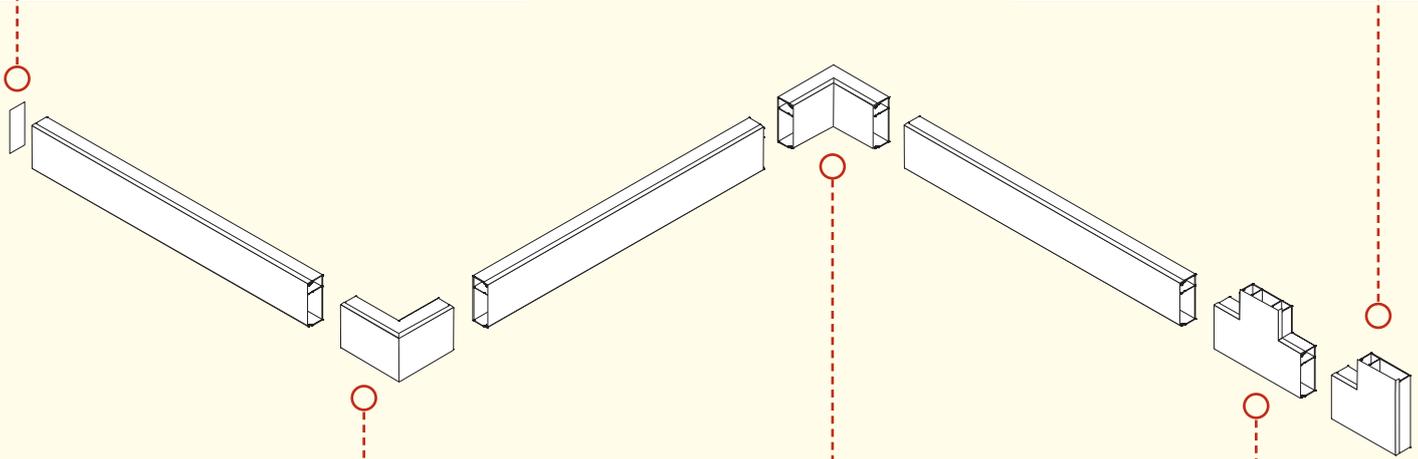
## Trunking

### Component selection guide



Profile	End Cap
100 x 25mm (NBT/3 & NBT/3/TC)	NEP/3
100 x 40mm (NBT/4 & NBT/4/TC)	NEP/4

Profile	Flat Angle
<b>Single</b>	
100 x 25mm (NBT/3)	NAF/3
100 x 40mm (NBT/4)	NAF/4
<b>Twin – Compartment to outside</b>	
100 x 25mm (NBT/3/TC)	NAF/3/TC
100 x 40mm (NBT/4/TC)	NAF/4/TC
<b>Twin – Compartment to inside</b>	
100 x 25mm (NBT/3/TC)	NTF/3/TC/SI
100 x 40mm (NBT/4/TC)	NTF/4/TC/SI



Profile	Ext Corner
100 x 25mm (NBT/3)	NAE/3
100 x 40mm (NBT/4)	NAE/4
100 x 25mm (NBT/3/TC)	NAE/3/TC
100 x 40mm (NBT/4/TC)	NAE/4/TC

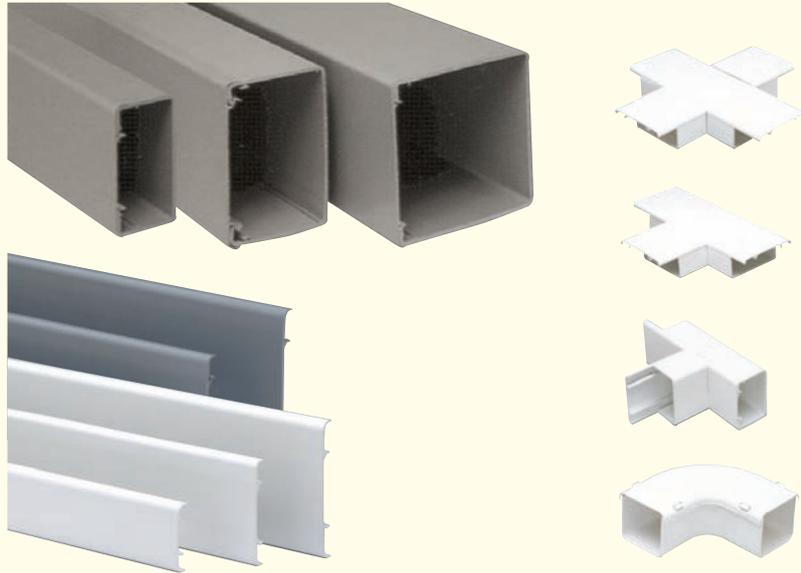
Profile	Int Corner
100 x 25mm (NBT/3)	NAI/3
100 x 40mm (NBT/4)	NAI/4
100 x 25mm (NBT/3/TC)	NAI/3/TC
100 x 40mm (NBT/4/TC)	NAI/4/TC

Profile	Flat Tee
100 x 25mm (NBT/3)	NTF/3
100 x 40mm (NBT/4)	NTF/4
100 x 25mm (NBT/3/TC)	NTF/3/TC
100 x 40mm (NBT/4/TC)	NTF/4/TC

## Industrial Trunking

### Features

- Wide range of trunking sizes and capacity
- Wide range of integrated components maximises versatility of application
- Available in white or grey
- Extremely durable and impact resistant to Heavy Classification BS 4678 Part 4
- Easy to assemble and install
- All trunking fittings are supplied plain without couplings to avoid wastage
- External couplings strengthen the trunking and internal coupling pieces
- All extrusions manufactured from 90% recycled material\*



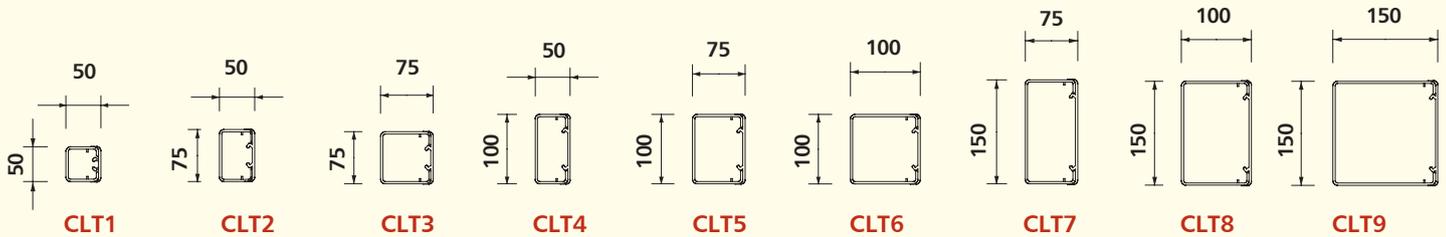
### Description

Ega Industrial trunking is a PVCu heavy duty system available in white or grey, used extensively for industrial wiring purposes. It is available in a large variety of sizes and has found wide acceptance throughout the world. Its durability, safety and strength are well proven.

Nine basic sizes are available ranging from 50 x 50 mm to 150 x 150 mm complete with a comprehensive variety of fittings. The trunkings have a simple clip on cover which positively locates when hand pressure is applied and enables fast, efficient installation.

\* Based on 2008 consumption.

## Industrial Trunking

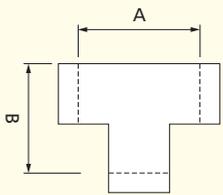


EGA INDUSTRIAL CABLE CAPACITY																				
Type of Conductor	Size	Cable Factor	CLT1	CLT2	CLT3	CLT4	CLT5	CLT6	CLT7	CLT8	CLT9									
			<b>Full Term CSA 100%Fill (mm<sup>2</sup>)</b>																	
			2130	3312	5117	4408	6841	9270	10446	14175	21566									
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>																	
			958	1490	2302	1983	3078	4171	4700	6378	9704									
<b>Power Cables</b>			<b>Number of Cables at 45% Fill</b>																	
PVC Stranded	1.5mm <sup>2</sup>	8.6	111	173	267	230	357	485	546	741	1128									
	2.5mm <sup>2</sup>	12.6	76	118	182	157	244	331	373	506	770									
	4mm <sup>2</sup>	16.6	57	89	138	119	185	251	283	384	584									
	6mm <sup>2</sup>	21.2	45	70	108	93	145	196	221	300	457									
<b>Data Cables</b>			<b>Number of Cables at 45% Fill (a) and Full Capacity (b)</b>																	
			a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	31	70	49	109	76	169	65	145	101	226	138	306	155	345	211	469	321	714
Cat5E STP	6.0mm dia.	36.0	26	59	41	92	63	142	55	122	85	190	115	257	130	290	177	393	269	599
Cat6 UTP	6.5mm dia.	42.2	22	50	35	78	54	121	46	104	72	162	98	219	111	247	151	335	229	511
Cat6 STP	7.0mm dia.	49.0	19	43	30	67	46	104	40	89	62	139	85	189	95	213	130	289	198	440

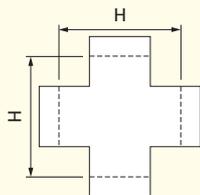
## Industrial Trunking

### Components

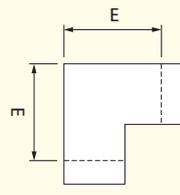
The following components are fabricated sections and space must be allowed for inclusion in runs of trunking. All other components fit over standard trunking profiles.



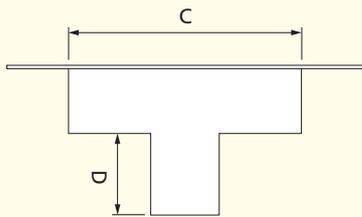
Flat Tee (FTF)



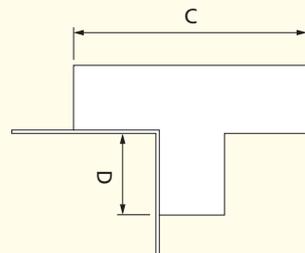
Flat Cross (FCU)



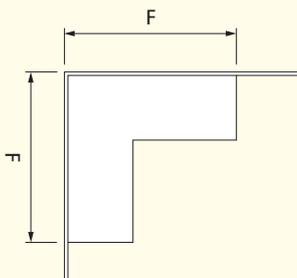
Flat Angle (FAF)



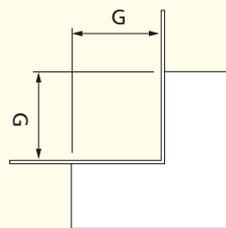
Internal Tee (FTI)



External Tee (FTE)



Internal Corner (FAI)



External Corner (FAE)

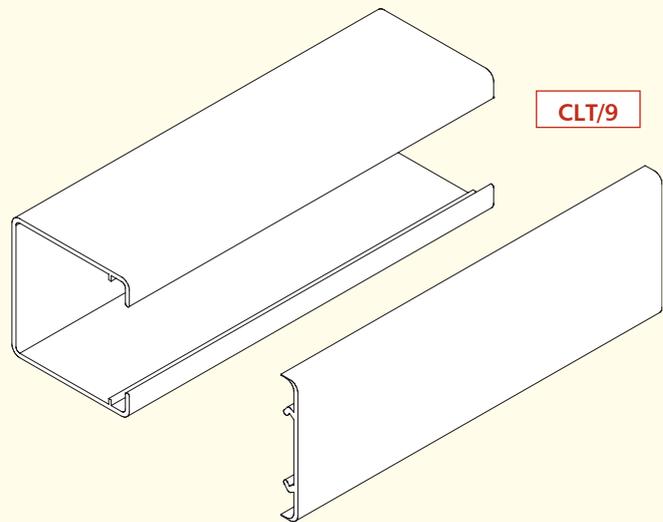
### DIMENSIONS

#### List. No. Components dimensions (mm)

CLT/	A	B	C	D	E	F	G	H
CLT1	*100	*90	170	60	*80	*125	*65	*100
CLT2	*150	*115	170	60	115	110	60	*150
CLT3	*150	*115	225	75	*115	150	75	*150
CLT4	220	160	170	60	160	110	60	220
CLT5	250	175	225	75	175	150	75	250
CLT6	250	175	250	75	175	175	75	250
CLT7	330	240	255	90	240	165	90	330
CLT8	380	265	330	115	265	215	115	380
CLT9	380	265	380	115	265	265	115	380

\* Indicates moulded items.

### Component selection guide



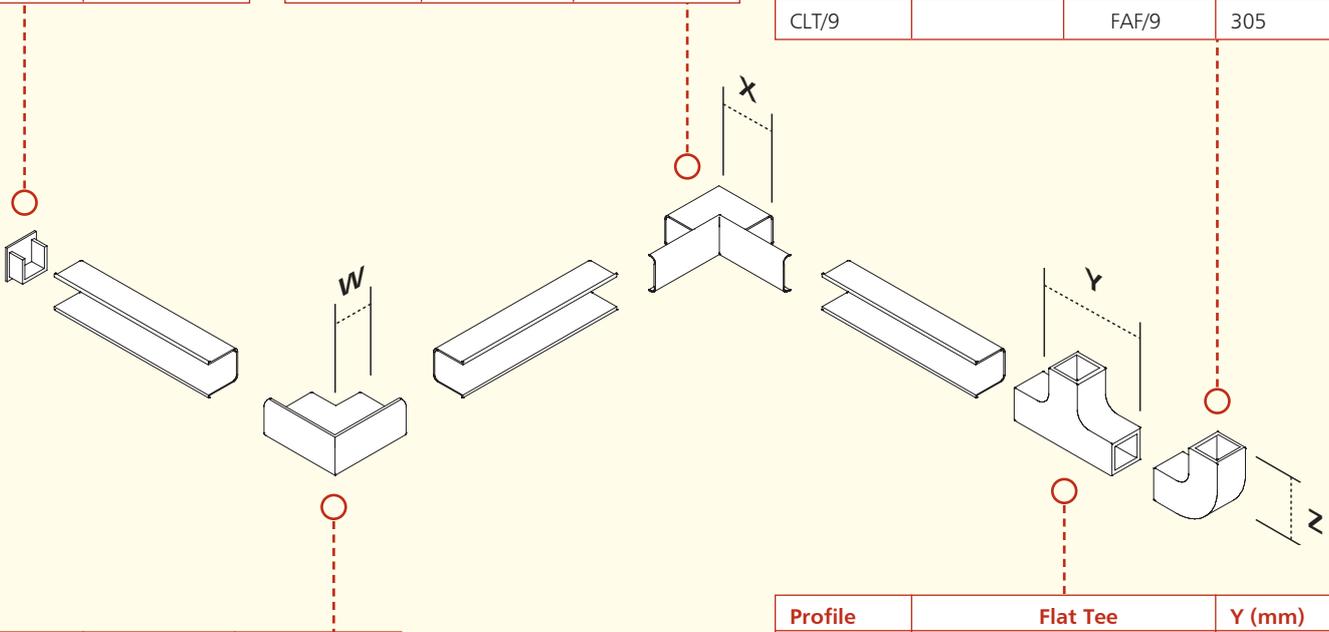
## Industrial Trunking

### Component selection guide

Profile	End Cap
CLT/1	TEP/1
CLT/2	TEP/2
CLT/3	TEP/3
CLT/4	TEP/4
CLT/5	TEP/5
CLT/6	TEP/6
CLT/7	TEP/7
CLT/8	TEP/8
CLT/9	TEP/9

Profile	Int Corner	X (mm)
CLT/1	FAI/1	125
CLT/2	FAI/2	110
CLT/3	FAI/3	150
CLT/4	FAI/4	110
CLT/5	FAI/5	150
CLT/6	FAI/6	175
CLT/7	FAI/7	165
CLT/8	FAI/8	215
CLT/9	FAI/9	265

Profile	Flat Angle		Z (mm)
	Moulded	Fabricated	
CLT/1	FAF/1		127
CLT/2	FAF/2		180
CLT/3	FAF/3		180
CLT/4		FAF/4	200
CLT/5		FAF/5	215
CLT/6		FAF/6	215
CLT/7		FAF/7	280
CLT/8		FAF/8	305
CLT/9		FAF/9	305



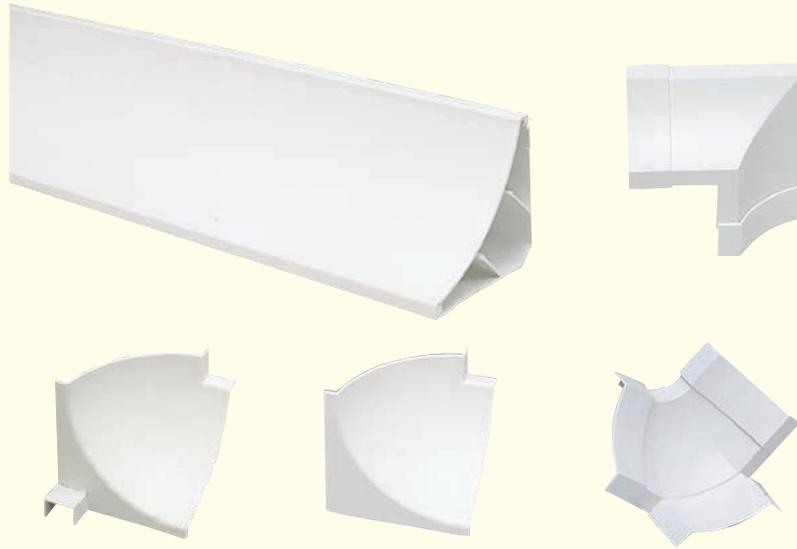
Profile	Ext Corner	W (mm)
CLT/1	FAE/1	125
CLT/2	FAE/2	135
CLT/3	FAE/3	150
CLT/4	FAE/4	135
CLT/5	FAE/5	150
CLT/6	FAE/6	150
CLT/7	FAE/7	240
CLT/8	FAE/8	265
CLT/9	FAE/9	265

Profile	Flat Tee		Y (mm)
	Moulded	Fabricated	
CLT/1	FTF/1		190
CLT/2	FTF/2		274
CLT/3	FTF/3		274
CLT/4		FTF/4	300
CLT/5		FTF/5	330
CLT/6		FTF/6	330
CLT/7		FTF/7	410
CLT/8		FTF/8	460
CLT/9		FTF/9	460

## Cornice Trunking

### Features

- Two trunking profiles
- Wide range of integrated components maximises versatility of application
- Fully compatible with Ega Mini Trunking systems
- Neat and unobtrusive
- Accessories designed to overlap edge of trunking cover, hiding joint line
- Easy to assemble and install
- Durable and impact resistant to Medium Classification BS 4678, Part 4
- All extrusions manufactured from 90% recycled material\*



### Description

Ega Standard and Compact Cornice Trunking Systems are manufactured from PVCu. They are designed to be mounted on interior surfaces, at the interface of wall and ceiling for the protection of electrical cables.

Standard trunking consists of a base, containing three separate compartments, and a common cover. Compact trunking has a single compartment.

Both types are compatible with Ega Mini Trunking.

The smaller, single compartment trunking is ideal for domestic rewires, whereas the larger three compartment trunking is best suited to commercial and sheltered housing applications.

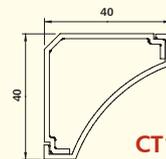
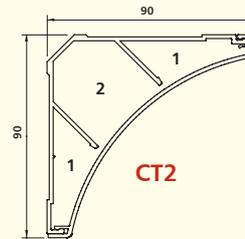
Various types of services can be accommodated, such as mains wiring, lighting circuits, alarm warden call systems and data.

The system is available in a standard white colour.

\* Based on 2008 consumption.

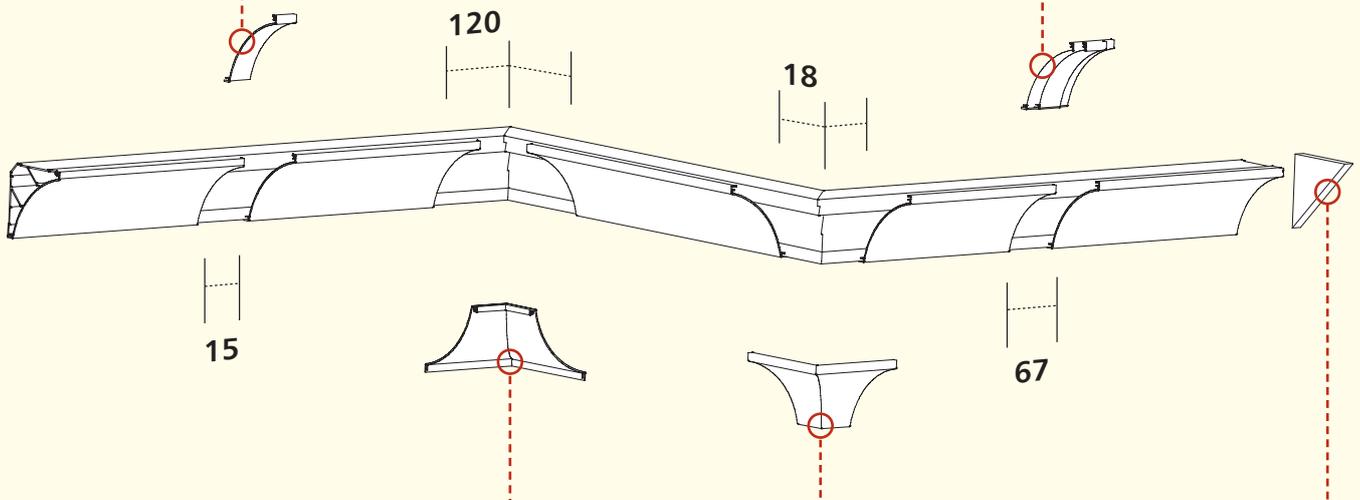
EGA CORNICE CABLE CAPACITY								
Type of Conductor	Size	Cable Factor	CT1		CT2 Cmnt 1		CT2 Cmnt 2	
			<b>Full Term CSA 100%Fill (mm<sup>2</sup>)</b>					
			<b>755</b>	<b>636</b>	<b>1441</b>			
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>					
			<b>339</b>	<b>286</b>	<b>648</b>			
Power Cables			Number of Cables at 45% Fill					
PVC Stranded	1.5mm <sup>2</sup>	8.6	39	33	75			
	2.5mm <sup>2</sup>	12.6	26	22	51			
	4mm <sup>2</sup>	16.6	20	17	39			
	6mm <sup>2</sup>	21.2	15	13	30			
Data Cables			No. of Cables at 45% Fill (a) and Full Capacity (b)					
			a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	11	25	9	21	21	47
Cat5E STP	6.0mm dia.	36.0	9	20	7	17	18	40
Cat6 UTP	6.5mm dia.	42.2	8	17	6	15	15	34
Cat6 STP	7.0mm dia.	49.0	6	15	5	12	13	29

Dimensions (mm)


**Component selection guide (dimensions in mm)**

Profile	Joint Cover
40 x 40mm (CT/1)	CJC/1
90 x 90mm (CT/2)	CJC/2

Profile	Mini Trunking Adaptor
40 x 40mm (CT/1)	CA/1
90 x 90mm (CT/2)	CA/2



Profile	Int Corner
40 x 40mm (CT/1)	CIP/1
90 x 90mm (CT/2)	CIP/2

Profile	Ext Corner
40 x 40mm (CT/1)	CXP/1
90 x 90mm (CT/2)	CXP/2

Profile	End Cap
40 x 40mm (CT/1)	CEP/1
90 x 90mm (CT/2)	CEP/2

## Cornice Trunking

### Installation guide

#### 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 Installation

- a Separate the cover from the backing. Measure the walls and cut trunking base to length making due allowance for external corner mitres. Fix base to wall/ceiling using woodscrews or bolts, with large washers. Oversized holes must be drilled to allow for expansion.
- b The base should be fixed to both wall and ceiling at 500mm intervals giving a staggered arrangement.

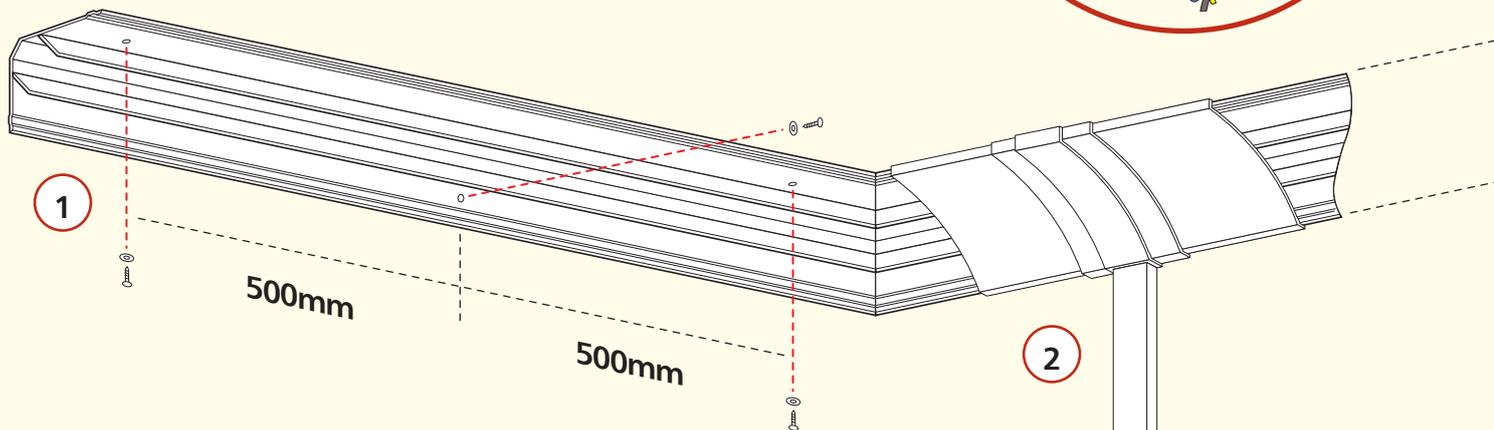
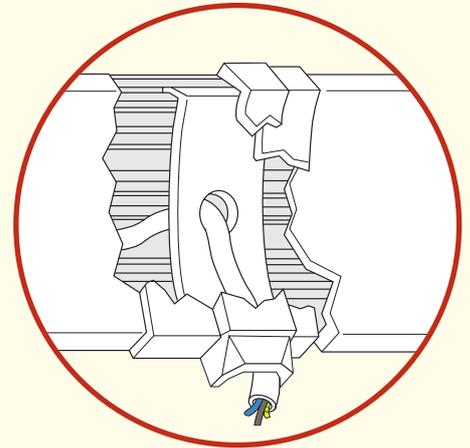
#### ② Spurs

- a Spurs from the main Cornice trunking across ceilings or down walls are made using a Mini Trunking Adaptor (CA/1 for Compact or CA/2 for Standard) in conjunction with the appropriately sized Mini Trunking spout adaptor.
- b In Standard Cornice, the cable retaining strap enables cables to be segregated from other services used in conjunction with a mini trunking adaptor. A hole of 25mm or less must be drilled and the cable should be looped through the aperture as shown. A cable retaining strap is also available for Compact Cornice.

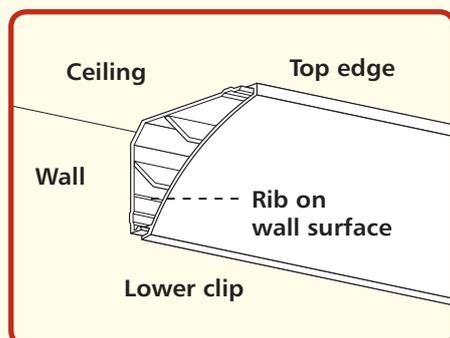
Locate ceiling and wall spur then mark base to indicate the end of the lid run. Fit Ega Mini Trunking as appropriate using the relevant Mini Trunking spout adaptor (YEA). Install wiring using retaining strap(s) as necessary.

#### ③ Corners and Accessories

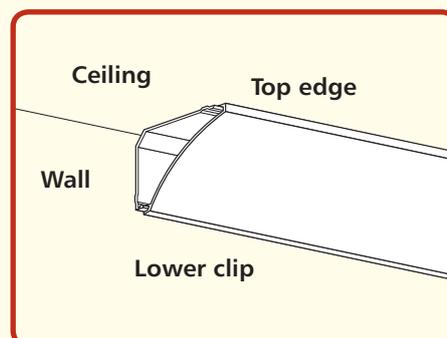
- a Mitre base to ensure moulded accessories fit. Cut lid square having made suitable allowance for the width of the accessories and the overlap required to fit under joint covers.
  - b All fittings clip onto an exposed section of the trunking base. Allow suitable gaps in trunking lid.
- Mark the base with position and width of the accessories and cut the lid the appropriate length, taking due notice of the gap allowances. (Standard Cornice shown).



#### Standard Cornice



#### Compact Cornice



## 4 Covers

**Installation** – Locate the top edge, adjacent to the ceiling, with upper back clip.

The lower clip is then fitted by exerting pressure against the front face, pushing towards the wall (Standard Cornice Shown).

**Removal** – Gain access to the interior of the trunking. Remove one of the accessory mouldings and carefully insert screwdriver, under the top edge and lever forward so as to disengage clip.

In restricted spaces, engage a hook behind the ceiling edge of the cover, and pull forward to disengage.

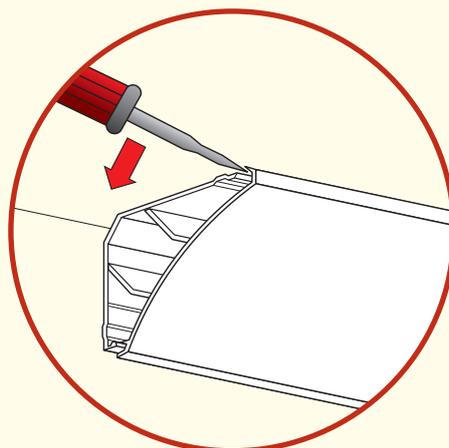
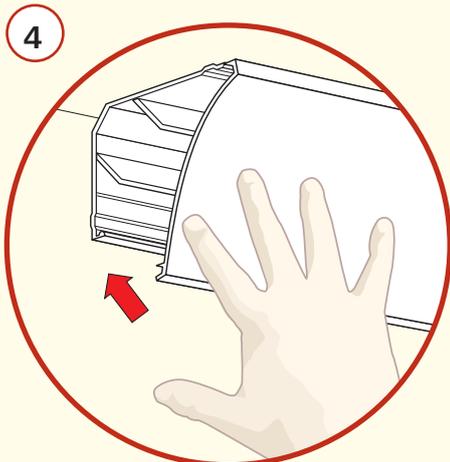
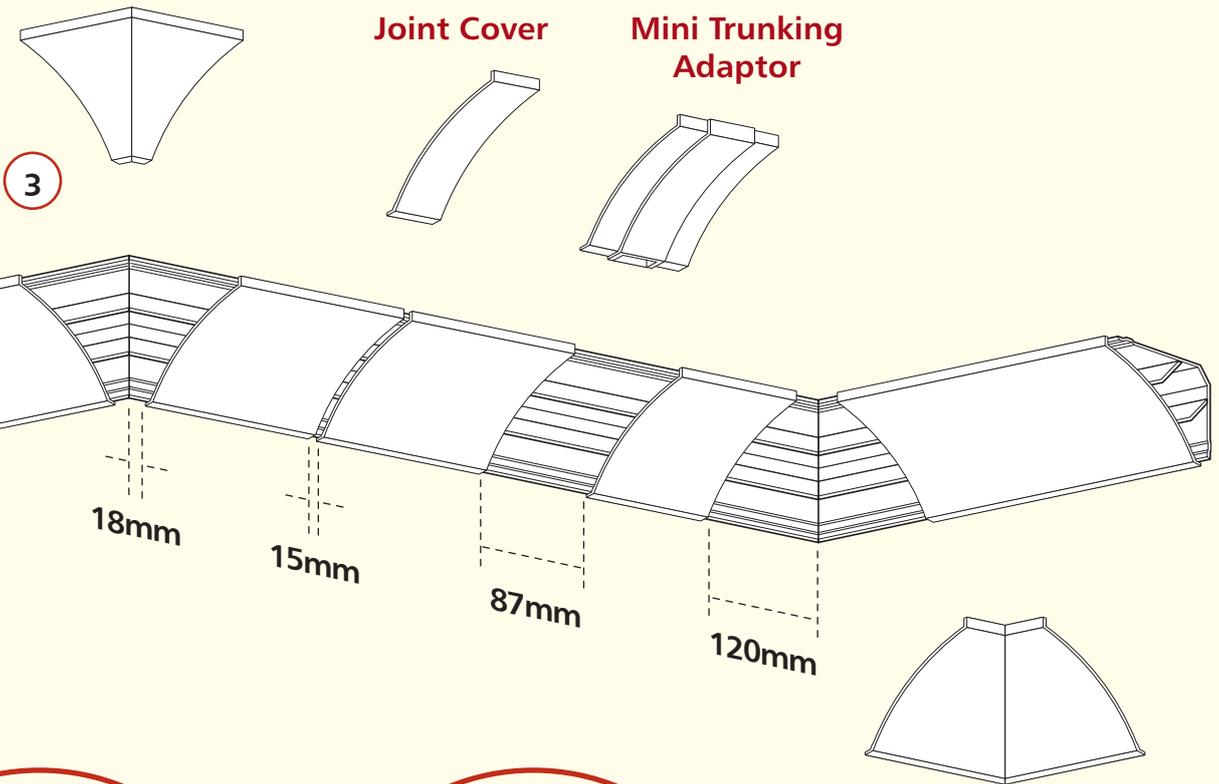
The lower clip is then disengaged in the same way.

## Notes

**Jointing** – Where gaps occur, a gap of 5mm must be left between base sections to allow for expansion. The cover must overlap this joint by a minimum of 50mm.

**Finishing** – In circumstances where the wall or ceiling is uneven, a flexible sealer or mastic can be used to fill any gaps which occur along the edge of the trunking. Relief finishes, such as Artex, must be smoothed down with a spatula, for a width of 25mm minimum, along the line of the trunking in order to enable cover removal.

### External Corner



### Internal Corner

## Conduit and fittings



### Switch and socket boxes

A wide range is available in various depths with a variety of knockout positions, see table at the end of this technical section.

### Description

Egatube high impact PVCu conduit offers a cost effective solution for both new and refurbishment contracts.

The conduit is available in oval sections (5 sizes), in 3 grades of round section (6 sizes of each) and as a flexible corrugated version (4 sizes).

The wide range of fittings and ancillary products means that almost any installation can be specified for with confidence.

Egatube conduits are light in weight, the smaller sizes can be bent cold and they can easily be cut using a hacksaw or Egasnips. This means that installation can be 50% quicker than using steel. Repairs and alterations are also simpler and quicker to make.

### Features

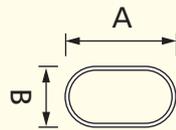
- Wide range of sections and sizes
- Oval, round and corrugated sections are compatible
- Simple and fast installation
- Very wide range of components maximises versatility of application
- Very durable and impact resistant
- 3 grades of round conduit to suit various site conditions
- All extrusions manufactured from 90% recycled material\*

\* Based on 2008 consumption.

## Conduit and fittings

### Dimensions (mm)

#### Oval section conduit (ref EOC)



Oval conduit is mainly used for switch drops and general domestic installations in both buried and surface installations. Manufactured in accordance with requirements of BS 4607 Part 5 and BS EN 50086-1&21.

List. No.	Size mm A B	Wall thickness mm	Weight kg/m	Cross section area mm <sup>2</sup>
EOC/1	13 8	0.9	0.036	60
EOC/2	16 10	0.9	0.049	103
EOC/3	22.5 11	0.9	0.084	172
EOC/4	29 11	1.0	0.097	225
EOC/5	29 16	1.0	0.125	336
EOC/6	23 14	0.8	0.081	238

Standard length 3 metres.

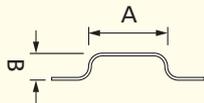
#### Flexible conduit (ref EF)

Suitable for connection of vibrating equipment or to provide tight bends for interconnecting conduits. Can be surface mounted or cast in concrete and can be used with standard conduit fittings. Manufactured in accordance with BS 4607 Part 3.

List. No.	Diameter mm	Weight kg/m	Cross section area mm <sup>2</sup>
EF/1	16	0.05	107
EF/2	20	0.064	189
EF/3	25	0.094	308

Standard lengths 50 metre coils.

#### Rectangular channelling (ref REC)

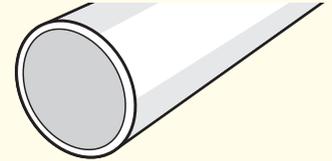


Used for switch drops and general domestic installations mainly in carcass situations.

List. No.	Size mm A B	Wall thickness mm	Weight kg/m
REC/1	12.5 8	0.9	0.047
REC/2	25 8	0.9	0.051
REC/3	38 9.5	0.9	0.069

Standard length 2 metres.

#### Round section heavy gauge high impact conduit (ref. HIP)



This is acknowledged to be the finest PVCu conduit available and is designed to withstand the most arduous site conditions and extremes of weather.

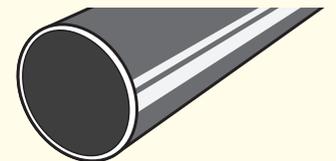
Temperature range -5°C to +60°C.

Complies with BS EN 61386 Part 1 Heavy Impact.

List. No.	Outside diameter mm	Wall thickness mm	Weight kg/m	Cross section area mm <sup>2</sup>
HIP/1	16	1.7	0.102	121
HIP/2	20	1.8	0.150	209
HIP/3	25	1.9	0.205	350
HIP/4	32	2.5	0.322	573
HIP/5	38	2.5	0.394	859
HIP/6	50	3.1	0.684	1506

Standard lengths 3 metres.

#### Round section light gauge high impact conduit (ref. HLG)



Suitable for applications where heavy compressive strength is not required. The high impact characteristic combined with the lighter gauge provides excellent physical properties for flush and surface applications.

Temperature range -5°C to +60°C.

Complies with BS EN 61386 Part 1 Heavy Impact.

List. No.	Outside diameter mm	Wall thickness mm	Weight kg/m	Cross section area mm <sup>2</sup>
HLG/1	16	1.1	0.076	143
HLG/2	20	1.3	0.102	237
HLG/3	25	1.5	0.170	376
HLG/4	32	1.5	0.214	654
HLG/5	38	1.5	0.259	954
HLG/6	50	1.9	0.417	1676

Standard lengths 3 metres.

### Cable capacities of conduit

#### 17th Edition of the I.E.E. Wiring Regulations Selection and Erection of Wiring Systems

The 17th Edition of the Wiring Regulations, Chapter 52 'Selection and Erection of Wiring Systems', describes methods to provide a means of compliance with Regulation 522-8.

The number of cables drawn into or laid in an enclosure of a wiring system shall be such that no damage is caused to the cables or to the enclosure during their installation.

The method employs a unit system, each cable size being allocated a factor. The sum of all factors for the cables intended to be run in the same enclosure is compared against the factors given for conduit in order to determine the size of the conduit necessary to accommodate those cables.

#### Types of run

It has been found necessary, for conduit, to distinguish between:

1. Straight runs not exceeding 3 metres in length, and
2. Straight runs exceeding 3 metres, or runs of any length incorporating bends or sets

The term "bend" signifies a British Standard 90° bend, and one double set is equivalent to one bend.

For case 1, each conduit size is represented by only one factor. For case 2, each conduit size has a variable factor which is dependent on the length of run and the number of bends or sets. For a particular size of cable the factor allocated to it for case 1 is not the same as for case 2.

#### Variable factors

A number of variable factors affect any attempt to arrive at a standard method of assessing the capacity of conduit.

Some of these are:

- reasonable care (of drawing-in)
- acceptable use of the space available
- tolerance in cable sizes
- tolerance in conduit

The following tables can only give guidance as to the maximum number of cables which should be drawn in. The sizes should ensure an easy pull with low risk of damage to the cables.

Only the ease of drawing-in is taken into account. The electrical effects of grouping is not. As the number of circuits increases the current carrying capacity of the cable decreases. Cable sizes have to be increased with consequent increase in cost of cable and conduit.

Single-core PVC insulated cables in straight runs of conduit not exceeding 3 metres in length.

- For each cable it is intended to use, obtain the term from Table A1.
- Add the cable terms together and compare the total with the conduit terms given in Table A2.
- The conduit size which will satisfactorily accommodate the cables is that size having a factor equal to or exceeding the sum of the cable factors.

Single-core PVC insulated cables in straight runs of conduit exceeding 3 metres in length or in runs of any length incorporating bends or sets.

- For each cable it is intended to use, obtain the appropriate terms from Table A3.
- Add all the cable terms so obtained and compare with the conduit terms given in Table A4, taking into account the length of run it is intended to use and the number of bends and sets in that run.
- The conduit size which will satisfactorily accommodate the cables is that size having a terms equal to or exceeding the sum of the cable terms.

## Conduit and fittings

Type of conductor	Conductor cross-sectional area (mm <sup>2</sup> )	Term
Solid	1	22
	1.5	27
	2.5	39
Stranded	1.5	31
	2.5	43
	4	58
	6	88
	10	146
	16	202
	25	385

Conduit dia (mm)	Term
16	290
20	460
25	800
32	1400
38	1900
50	3500

Solid or stranded conductor	Conductor cross-sectional area mm <sup>2</sup>	Term
	1	16
	1.5	22
	2.5	30
	4	43
	6	58
	10	105
	16	145
	25	217

	<p><b>CONDUIT</b> 20mm dia. (Term 182) Table A4</p> <p><b>CABLE SOLID</b> 2.5mm<sup>2</sup> (3 qty) (Term 30) Table A3</p> <p><b>CABLE STRANDED</b> 4.0mm<sup>2</sup> (2 qty) (Term 43) Table A3</p> <p>Term total – (30+30+30)+(43+43) = <b>176</b></p>
The conduit size is satisfactory (Term 182) to accommodate the cables shown (Term 176).	

Length of run (m)	Conduit dia mm																							
	16			20			25			32			16			20			25			32		
	Straight			One bend			Two bends			Three bends			Four bends											
1				188	303	543	947	177	286	514	900	158	256	463	818	130	213	388	692					
1.5				182	294	528	923	167	270	487	857	143	233	422	750	111	182	333	600					
2				177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529					
2.5				171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474					
3				167	270	487	857	143	233	422	750	111	182	333	600									
3.5	179	290	521	911	162	263	475	837	136	222	404	720	103	169	311	563								
4	177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529								
4.5	174	282	507	889	154	250	452	800	125	204	373	667	91	149	275	500								
5	171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474								
6	167	270	487	857	143	233	422	750	111	182	333	600												
7	162	263	475	837	136	222	404	720	103	169	311	563												
8	158	256	463	818	130	213	388	692	97	159	292	529												
9	154	250	452	800	125	204	373	667	91	149	275	500												
10	150	244	442	783	120	196	358	643	86	141	260	474												

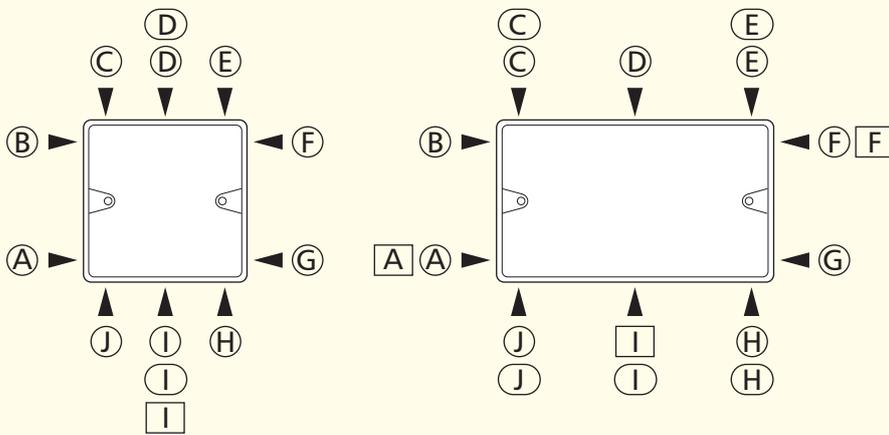
Covered by  
Tables A1  
and A2

## Conduit and fittings

### Boxes

This table breaks down box specifications showing gang, entry points, cut outs and corner types.

List No.	Mounting	Gang	Entry Type Rectangular	Round	Oval	Cut-Outs in back	Corner
ESU/6/1	flush	1	-	-	DI	1	-
ESU/8/1	flush	1	-	ABCEFGHJ	-	-	-
ESU/8/ML	flush	1	-	ABCEFGHJ	-	1	-
ESU/8/S/ML	flush	2	-	ABCDEFGHIJ	I	2	-
ESU/9/2ML	flush	2	-	BCDEGHJ	I	2	-
ESU/9/ML	flush	1	-	BCEGHJ	-	1	-
ESU/24/1	surface	1	I	D	-	2	round
ESU/24/2	surface	2	AFI	D	-	2	round
ESU/26/1	surface	1	-	D	-	1	square
ESU/26/2	surface	2	-	D	-	-	square
ESU/28/1	surface	1	-	I	-	1	square
ESU/28/2	surface	2	I	D	-	1	square



## Conduit and fittings

### Fixing

Egatube round conduit is fixed in the normal way with saddles or clips. (Various types of saddles are available). The distance between saddles should not exceed that stated in the following table, or less in hot temperatures.

Nominal Conduit Size (mm)	Maximum distance between Supports (m)	
	Horizontal	Vertical
Not exceeding 16	0.75	1.00
Exceeding 16 but not exceeding 25	1.5	1.75
Exceeding 25 but not exceeding 40	1.75	2.00
Exceeding 40	2.00	2.00

It is recommended that all boxes be fixed first wherever practicable, using the two fixing holes provided in circular boxes. Lines may then be struck for the saddle run and the saddles should be fixed 225mm on either side of bend or boxes. The tubing may then be 'sprung' into the box spouts. It will be noted that the saddles are designed to be a sliding fit on the conduit and it is important to see that all fixings should be sliding fits (see Expansion).

### Expansion

A rise in temperature of 25°C would cause an increase of 5mm in a 3 metre length of conduit. This may be ignored in flush work where the tube is bonded to the concrete or plaster.

In surface work, however, precautions must be taken or expansion will cause the tube to bow, although where bends and sets are close together these take up any expansion. Where long straight runs occur in conditions of varying temperatures, care must be taken to overcome problems by using expansion couplers. These are couplers of double normal length with a shoulder formed 19mm from one end. Conduit is secured into this end of about 75mm long which is a sliding fit over the other conduit. The other conduit is inserted about 50mm into the coupler leaving it free to move 25mm in either direction, which is ample for even the greatest extremes of temperature. For straight runs it is advisable to use an expansion coupling every 6 metres.

### Adhesives

#### Egaweld Plus

A waterproof solvent weld for making watertight joints between PVC conduit, trunking and fittings.

A statement regarding COSHH regulations is available on the MK website – [www.mkelectric.co.uk](http://www.mkelectric.co.uk)

### Light fittings

When considering the use of totally enclosed lighting fittings, remember that the I.E.E. Wiring Regulations restrict the use of PVCu boxes to loads of 3 kg and a temperature of 60°C. When conditions in excess of these figures are anticipated, the use of either the heat resistant boxes or conduit boxes suffixed 'EL' are recommended.

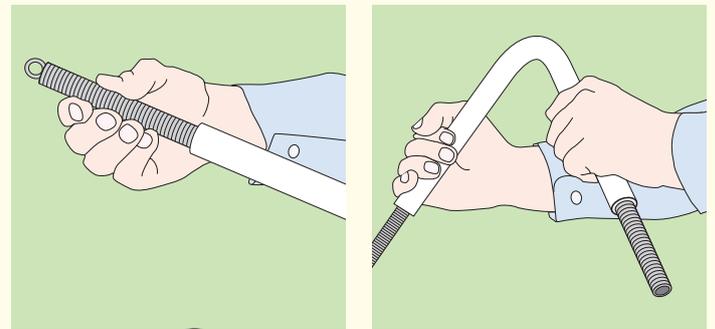
The "EL" conduit boxes will support a load of up to 10 kg at 60°C.

### Fittings

A wide range of fittings are available, see Product Selector for details.

### Bending

To bend circular conduit, insert the appropriate spring. The spring has an "eye" formed on one end, to which a cord should be attached in order to withdraw the spring. The bend is then made by hand or across the knee. Twice the angle required should be bent and the tube then allowed to ease back to the desired position. Do not attempt to force the bend back with the spring inserted, as this action will damage the spring. When withdrawing the spring it is suggested that it be twisted in an anti-clockwise direction thus reducing the diameter of the spring and providing easy withdrawal. It is important to use the correct size spring. In cold weather it may be necessary to warm the tube slightly at the point where the bend is to be made. Always saddle the tubing as quickly as possible after bending.



## Ega Mini, Communication and Red Alert Trunking

### Standards and approvals

EGA mini-trunking systems are manufactured in accordance with the requirements of BS EN 50085-1 and BS 4678 Part 4 and achieve medium impact classification.

Red Alert mini-trunking complies with the following:

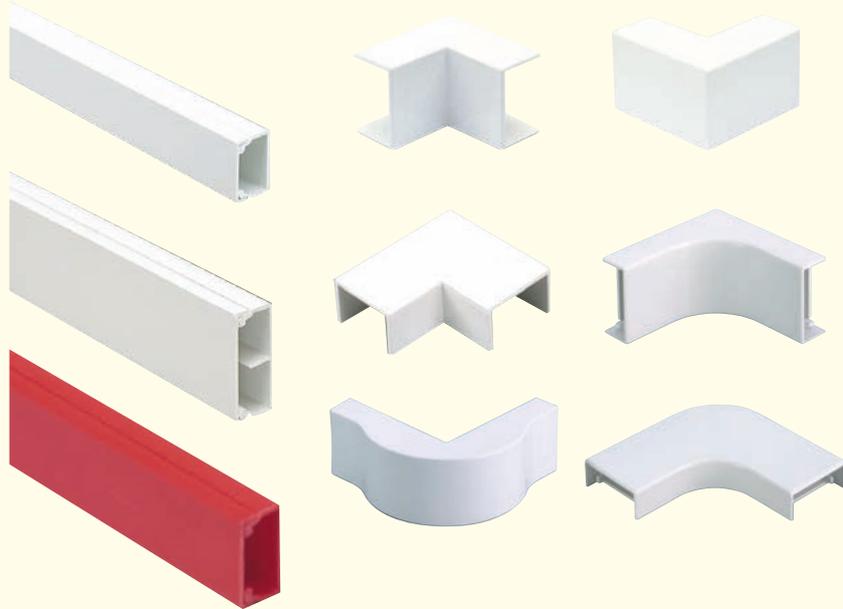
BS 5839 Fire detection and alarm systems in buildings (if used with fire product, ie. cables, cables must still be secured with metal securing clips **inside** trunking or trunking held with metal clip **around** trunking to comply with BS 5839 Part 1).

BS 4662 Boxes for the enclosure of electrical accessories.

BS EN 50085-1 and BS 4678 Part 4 Cable trunking made of insulating material.

All systems comply with all relevant requirements of the latest edition of the IEE Wiring Regulations.

PVCu is Class 1Y for spread of flame when tested in accordance with BS 476 Part 7.



### Features

- Wide range of trunking profiles
- Red Alert profile for alarm circuits
- Wide range of integrated components maximises versatility of application
- Unobtrusive and neat
- Easy to assemble and install
- Durable and impact resistant to Medium Classification BS EN 50085-1 and BS 4678 Part 4
- Communication trunking for voice and data
- Speedfix options allow fast installation
- All extrusions manufactured from 90% recycled material\*

## Ega Mini, Communication and Red Alert Trunking

### Description

A range of trunking systems designed for cable distribution in new or refurbishment projects in the domestic and commercial sectors.



### Red Alert

Available in red, simplifies alarm circuit identification and is specifically designed for use with light duty mineral insulated cables.



### Communication trunkings

Designed to take smaller diameter telecommunications and data cabling. There are three sizes available and the systems are complete with a range of fittings.



### Speedfix trunkings

These are self-adhesive profiles used to distribute data and voice cabling.

All systems are compatible and have simple clip on lids which positively locate when hand pressure is applied.



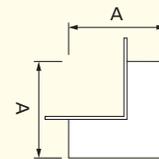
### Circular boxes

These are designed to accept standard ceiling roses, pull switches and plug-in lighting fittings. The base incorporates an earth terminal facility (order terminal separately). Red Alert bases are supplied with earth terminal. 50.8 mm fixing centres and M4 Pillar inserts. Load suspension 3 kg @ 60°C max.

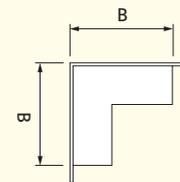
Breakglass and detection not supported by MK.

### Components

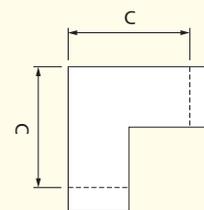
The four components shown below are fabricated sections and space must be allowed for inclusion in runs of trunking. All other components snap on over standard trunking profiles.



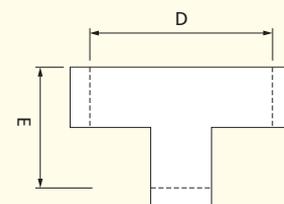
EXTERNAL CORNER (90°) YAI		
List No	A	
YAI7	80mm	



INTERNAL CORNER (90°) YAE		
List No	B	
YAE7	50mm	



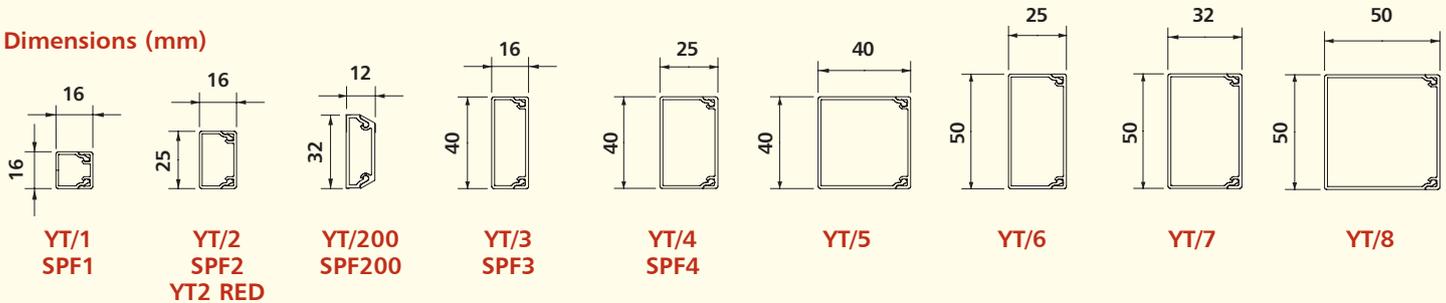
FLAT ANGLE (90°) YAF		
List No	C	
YAF7	100mm	



FLAT TEE (90°) YTF		
List No	D	E
YTF7	150mm	100mm

## Ega Mini, Communication and Red Alert Trunking

### Dimensions (mm)



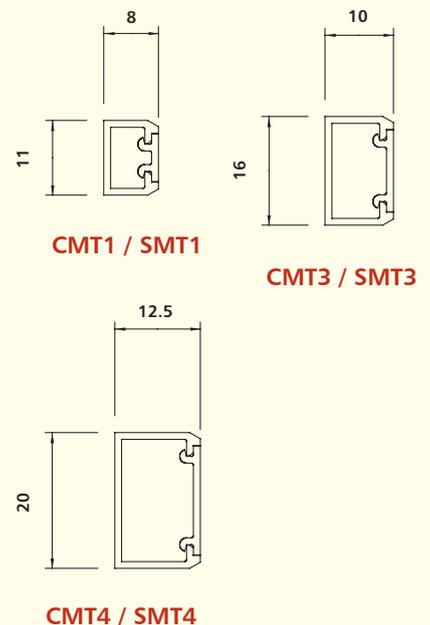
### EGA MINI AND RED ALERT CABLE CAPACITY

Type of Conductor	Size	Cable Factor	YT1 / SPF1	YT2 / SPF2 YT2 RED	YT200 / SPF200	YT3 / SPF3	ZT3 (each cmpt)	YT4 / SPF4	ZT4 (each cmpt)	YT5	YT6	YT7	YT8											
			<b>Full Term CSA 100%Fill (mm<sup>2</sup>)</b>																					
			154	276	234	458	224	795	387	1312	948	1273	2037											
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>																					
			69	124	105	206	100	357	174	590	426	572	916											
<b>Power Cables</b>			<b>Number of Cables at 45% Fill</b>																					
PVC	1.5mm <sup>2</sup>	8.6	8	14	12	23	11	41	20	68	49	66	106											
Stranded	2.5mm <sup>2</sup>	12.6	5	9	8	16	7	28	13	46	33	45	72											
	4mm <sup>2</sup>	16.6	4	7	6	12	6	21	10	35	25	34	55											
	6mm <sup>2</sup>	21.2	3	5	4	9	4	16	8	27	20	26	43											
<b>Data Cables</b>			<b>Number of Cables at 45% Fill (a) and Full Capacity (b)</b>																					
			a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b		
Cat5E UTP	5.5mm dia.	30.2	2	5	4	9	3	7	6	15	3	7	11	26	5	12	19	43	14	31	18	42	30	67
Cat5E STP	6.0mm dia.	36.0	1	4	3	7	2	6	5	12	2	6	9	22	4	10	16	36	11	26	15	35	25	56
Cat6 UTP	6.5mm dia.	42.2	1	3	2	6	2	5	4	10	2	5	8	18	4	9	13	31	10	22	13	30	21	48
Cat6 STP	7.0mm dia.	49.0	1	3	2	5	2	4	4	9	2	4	7	16	3	7	12	26	8	19	11	25	18	41

### EGA COMMUNICATION CABLE CAPACITY

Type of Conductor	Size	Cable Factor	CMT1 / SMT1		CMT3 / SMT3		CMT4 / SMT4	
			<b>Full Term CSA 100%Fill (mm<sup>2</sup>)</b>					
			44		102		156	
			<b>Term at 45% Fill (mm<sup>2</sup>)</b>					
			19		45		70	
<b>Power Cables</b>			<b>Number of Cables at 45% Fill</b>					
PVC Stranded	1.5mm <sup>2</sup>	8.6	2		5		8	
	2.5mm <sup>2</sup>	12.6	1		3		5	
	4mm <sup>2</sup>	16.6	1		2		4	
	6mm <sup>2</sup>	21.2	0		2		3	
<b>Data Cables</b>			<b>Number of Cables at 45% Fill (a) and Full Capacity (b)</b>					
			a	b	a	b	a	b
Cat5E UTP	5.5mm dia.	30.2	0	1	1	3	2	5
Cat5E STP	6.0mm dia.	36.0	0	1	1	2	1	4
Cat6 UTP	6.5mm dia.	42.2	0	1	1	2	1	3
Cat6 STP	7.0mm dia.	49.0	0	0	0	2	1	3

### Dimensions (mm)



All previous issues are cancelled.

## General

The "Seller" means Novar ED&S Limited.  
The "Buyer" means the person, firm or company to whom the Seller supplies the Goods.  
All quotations are given and all orders are accepted on these terms, replace and supersede any other terms wherever appearing, and override and exclude any other terms stipulated or incorporated or referred to by the Buyer, whether in the order or in any negotiations, and any course of dealing established between the Seller, and the Buyer. All orders hereafter made by the Buyer shall be deemed to be made subject to these terms.

## Acceptance of Orders

No contract for the sale of goods ("the Goods") shall be concluded until either the Seller sends or otherwise communicates to the Buyer its acceptance of the Buyer's order or on the delivery to the Buyer of the Goods, whichever is the earlier. The Buyer acknowledges that there are no representations outside these terms that have induced the Buyer to enter into the contract (which expression shall include any contract of which these terms form part) and save as provided herein, these terms shall constitute the entire understanding between the parties for the sale of the Goods. No modification of these terms shall be effective unless made by an express written agreement between the parties. The signing by the Seller of any of the Buyer's documentation shall not imply any modification of these terms.

## Illustrations, Descriptive Matter and Dimensions

All descriptions and illustrations contained in catalogues, price lists and advertisements or otherwise communicated to the Buyer are intended merely to present a general idea of the Goods described therein, and nothing contained in any of them shall form any part of the contract.

## Designs

The Seller's policy is one of continuous improvement. The right to change designs at any time without notice is reserved.

## Samples

Notwithstanding that a sample of the Goods may have been exhibited to and inspected by the Buyer, it is hereby agreed that such sample was so exhibited and inspected solely to enable the Buyer to judge for himself the quality of the bulk and not so as to constitute a sale by sample. The Buyer shall take the Goods at his own risk as to their corresponding with the said sample or as to their quality condition or sufficiency for any purpose.

## Prices

All prices listed or quoted are provisional only and are subject to alteration without prior notice, and prices charged will be those current at the time of despatch of the Goods.

## Delivery

All delivery dates are estimates only and the time of delivery shall not be of the essence of the contract. In no circumstances shall the Seller be liable to compensate the Buyer in damages or otherwise for non-delivery or late delivery of the Goods or any of them for whatever reason or for any loss consequential or otherwise arising therefrom. The Seller reserves the right to make partial deliveries and to allocate available supplies amongst customers in time of shortage. The Seller shall be entitled to deliver the Goods in one or more consignments unless otherwise expressly agreed. For UK sales, delivery shall be deemed to take place when the Goods are despatched from the Seller's premises. The Seller shall not be liable for any loss of any kind to the Buyer arising from any damage to the Goods occurring after the risk has been passed to the Buyer however caused, nor shall any liability of the Buyer to the Seller be diminished or extinguished by reason of such loss.

## Carriage and Packing

Packing materials are in most instances non-returnable. The Seller will pay packing and carriage on all orders having a net value of £250 (exc.VAT) or over and the Goods will be consigned by carrier at goods rate. Orders instructing despatch by other means will be subject to a packing and carriage charge to cover additional cost. Orders of less than £250 (exc.VAT) net value will be consigned by parcel post up to 5kg in weight, otherwise goods will be consigned by carrier at goods rate.

A packing and carriage charge will be made for all such orders at the rate of £50 (exc.VAT).

## Instructions and Labels

The Buyer shall ensure that labels, names, reference numbers and marks on the Goods and packing materials and cases are not removed, altered or covered whilst the Goods are in his possession and shall not remove any label or plaque affixed to the Goods referring any user thereof to the Seller's or any other party's instructions and/or recommendations for use. If any item comprised in the Goods is resold by the Buyer the Buyer shall bring to the attention of his purchaser all instructions and/or recommendations for use packed with the Goods or which the Seller has otherwise notified to the Buyer.

## Damage or Loss in Transit

When the price quoted includes delivery, the Seller shall repair or replace free of charge goods damaged in transit or not delivered in accordance with the advice note, provided that in the event of damage or shortage, written notification giving details of such damage or shortage must be sent to the Seller within 7 days of receipt, and in the event of non-delivery must be sent to the Seller within 14 days of the date shown on the advice note. Order number, advice note and date of despatch are required, and in the event of failure to give notice within the aforementioned period, the Goods will be deemed to be in all respects as invoiced.

## Returns

Goods supplied in accordance with the Buyer's orders cannot be accepted for return without the Seller's written consent. If such consent is given an administration charge will be made. Returned Goods must be sent carriage free and at the Buyer's risk and will only be accepted if packed in the original carton which in the Seller's

opinion is in a saleable condition. Only Goods of current design will be accepted for return.

## Payments

For UK and Republic of Ireland sales, payment is due before the end of the month following despatch. Value Added Tax for UK sales is payable and is calculated on the cash discounted value of each invoice. If the Seller shall allow provisional credit in respect of any part of the Goods it shall be without prejudice to its rights to refuse to give up possession of any other part of the Goods except against payment: and the whole of the price of all goods bought or agreed to be bought by the Buyer shall fall due and payable without demand immediately on the happening of any of the following events:-

- failure by the Buyer to pay any sum due to the Seller within 14 days of the due date for payment;
  - commencement of the winding up of the Buyer;
  - any act, event or occurrence entitling any creditor of the Buyer to petition for the bankruptcy of the Buyer;
  - appointment of a receiver of any asset of the Buyer, or the levying of any distress or execution or any asset of the Buyer.
- The failure of the Buyer to pay any part of the price of the Goods in due time shall entitle the Seller to treat such failure as a repudiation of the whole contract by the Buyer and to recover damages for such breach of contract.

Interest on all sums due shall run at the rate of 2 per cent per annum over the base lending rate of Barclays Bank plc until payment is received before as well as after any judgement therefor.

## Liability

These terms set out the Seller's entire liability in respect of the Goods and the Seller's liability under these terms shall be in lieu and to the exclusion of all other warranties, conditions, terms and liabilities expressed or implied statutory or otherwise in respect of the quality or the fitness for any particular purpose of the Goods or otherwise (notwithstanding any advice or representation to the Buyer, all liability in respect of which whatsoever arising, is expressly excluded) except any implied by law which by law cannot be excluded. Save as provided in these terms and except as aforesaid the Seller shall not be under any liability, whether in contract, tort (including negligence) or otherwise, in respect of defects in the Goods or failure to correspond to specification or sample or for any injury, damage or loss resulting from such defects or failure or from any work done in connection therewith. The Seller shall be under no liability to any purchaser of the Goods from the Buyer. In any event the Seller's liability (if any) whether in contract, tort or otherwise in respect of any defect in the Goods, or for any breach of this Agreement or of any duty owed to the Buyer in connection herewith, shall be further limited in the aggregate to the price of the Goods in question. Nothing in these terms shall restrict the Seller's liability for death or personal injury caused by the Seller's negligence.

## Indemnity

The Buyer shall indemnify the Seller in respect of all damage injury or loss occurring to any person or property and against all actions, suits, claims, demands, charges or expenses in connection therewith arising from the condition or use of the Goods in the event and to the extent that the damage injury or loss shall have been occasioned partly or wholly by the carelessness of the Buyer and his servants or agents or by any breach by the Buyer of its obligations to the Seller hereunder.

## U.K. and Republic of Ireland Sales

For UK and Republic of Ireland sales risk of loss or damage to the Goods shall pass to the Buyer at the time of delivery. The property in the Goods shall not pass to the Buyer until: all sums due or owing to the Seller by the Buyer on any account have been paid. The whole of the price shall not be treated as paid until any cheque, bill of exchange or other instrument of payment given by the Buyer has been met on presentation or otherwise honoured in accordance with its terms. The Seller may sue for the whole of the price at any time after it has become payable.

Until such time as the property in the Goods passes to the Buyer, the Buyer shall hold the Goods on a fiduciary basis as bailee of the Seller and shall keep the Goods separate from those of the Buyer and third parties and properly stored, protected, insured and identified as the Seller's property, but the Buyer shall be entitled to resell and use the Goods in the ordinary course of its business for the account of the Seller. Until property in Goods passes from the Seller, the entire proceeds of sale or otherwise of the Goods shall be held in trust for the Seller and shall not be mixed with any other money or paid into any overdrawn bank account and shall be at all material times identified as the Seller's money. Until such time as property in Goods passes from the Seller the Buyer shall upon request deliver up such of the Goods as have not ceased to be in existence, or resold to the Seller. If the Buyer fails to do so the Seller may enter upon any premises owned, occupied or controlled by the Buyer where the Goods are situated and repossess the Goods. The Buyer shall not pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller. Without prejudice to the other rights of the Seller, if the Buyer does so all sums whatever owing by the Buyer to the Seller shall forthwith become due and payable.

## Export

All orders are accepted subject to a minimum value of £500. All Goods will be supplied and invoiced in multiples of carton quantities only. The basis of the prices quoted will be FOB as defined in Incoterms 2000 Edition, at a UK port which may be nominated by the Seller, or such other basis as may seem appropriate to the Seller in the circumstances. Payment unless otherwise agreed must be by irrevocable letter of credit confirmed by an established UK bank satisfactory to the Seller. The Seller has separate standard terms and conditions which apply to export sales, and a copy will be supplied to the export buyers.

## NOVAR ED&S Patents and Registered Designs

Many of the products offered for sale by the Seller are covered by

UK and foreign patents or other intellectual property rights. It is not feasible to mark each component or product with the appropriate patent numbers, but any relevant and reasonable enquiries will be dealt with on application, subject to reimbursement of the Seller's out of pocket expenses. The Seller also has rights in a number of names and trade marks, registered and unregistered. The Seller will take all necessary legal action in any part of the world against any party found to be manufacturing, selling or otherwise dealing with any article which infringes the Seller's patents, trade marks or other similar intellectual property rights.

## Force Majeure

Neither party shall be liable to the other for any failure or delay in the performance of any obligation hereunder as a result of strikes, lockouts, trade disputes, breakdown of plants, accident or other cause whatsoever beyond the reasonable control of the Seller or the Buyer respectively.

## Legal Construction

The contract shall be governed by and interpreted in accordance with English Law, and the Buyer submits to the jurisdiction of the Courts in England but the Seller may enforce the contract in any court of competent jurisdiction. A person who is not a party to the contract shall have no rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any of its terms.

## Assignment

The Buyer shall not assign any benefit under the contract without the consent in writing of the Seller, which may if given be on such terms as to guarantee or indemnify or otherwise as the Seller thinks fit.

## Health and Safety at Work etc. Act 1974.

### Statement to purchasers and prospective purchasers

- Section 6\* of this Act provides that manufacturers, designers, importers or suppliers of articles for use at work have a duty to ensure, so far as is reasonably practicable, that the article will be safe and without risk to health at all times when it is being set, used, cleaned or maintained by a person at work. An absence of safety or risk to health is to be disregarded insofar as the case in or in relation to which it arises is shown to be one the occurrence of which could not reasonably be foreseen and in determining whether any such duty as aforementioned has been performed regard shall be had to any relevant information or advice which has been provided by the manufacturer, designer, importer or supplier.
  - Having regard to these provisions the following is given as a guide to the information which is readily available to you, in order that the obligations of all concerned may be met as fully as is reasonably practicable. This information relates to those products detailed in the Seller's catalogue(s) or associated literature.
  - Information on the design, construction and installation of the Seller's products to ensure that so far as is reasonably practicable they are safe and without risk to health when properly used may be found in:
    - Regulations for Electrical Equipment of Buildings (published by the Institution of Electrical Engineers) Catalogues and product leaflets of the Seller.
    - Or may be obtained by specific request to the Seller.
  - It is important that the products concerned should be installed, commissioned and maintained by, or under the supervision of competent persons in accordance with good engineering practice and:
    - The Regulations for the Electrical Equipment of Buildings
    - Codes of Practice
    - Statutory Requirements
    - Any instructions specifically advised by the Seller and where appropriate, with particular reference to information marked on the product.
  - In accordance with the provisions of the Act, the Buyer is therefore requested to take such steps as are necessary to ensure that any appropriate information relevant to the Seller's products is made available by you to anyone concerned.
- \* As amended by section 36 of the Consumer Protection Act 1987.

Novar ED&S Limited,  
The Arnold Centre,  
Paycocke Road,  
Basildon,  
Essex  
SS14 3EA

March 2009

## MK Trade Mark.

Registered in Great Britain and other countries 'MK' are the initials of 'Multy-Kontakt' – a name coined to signify 'many points of contact' the salient feature of our pioneer spring-grip socket patented in 1919.



Copyright MK Electric Limited 2009.



## **Honeywell's Commitment to Health, Safety and the Environment**

By integrating health, safety and environmental considerations into all aspects of our business, we protect our employees, our communities and the environment, achieve sustainable growth and accelerated productivity, drive compliance with all applicable regulations and develop technologies that expand the sustainable capacity of our world. Our health, safety and environmental management systems reflect our values and help us meet our business objectives.

- We protect the safety and health of our employees, and minimise the environmental footprint of our operations through efforts to prevent illness, injury and pollution.
- We actively promote and develop opportunities for expanding sustainable capacity by increasing fuel efficiency, improving security and safety, and reducing emissions of harmful pollutants.
- We are committed to compliance with all of our health, safety, environmental and legal requirements everywhere we operate.
- Our commitment to health, safety and the environment is an integral aspect of our design of products, processes and services, and of the lifecycle management of our products.
- Our management systems apply a global standard that provides protection of both human health and the environment during normal and emergency situations.
- We identify, control and endeavor to reduce emissions, waste and inefficient use of resources and energy.
- We are open with stakeholders and work within our communities to advance laws, regulation and practices that safeguard the public.
- We abide by the company's own strict standards in cases where local laws are less stringent.
- Our senior leadership and individual employees are accountable for their role in meeting our commitments.
- We measure and periodically review our progress and strive for continuous improvement.

These are our commitments to health, safety, and the environment, and to creating Sustainable Opportunity everywhere we operate.

All previous issues are cancelled.

## General

The "Seller" means Novar ED&S Limited.  
The "Buyer" means the person, firm or company to whom the Seller supplies the Goods.  
All quotations are given and all orders are accepted on these terms, replace and supersede any other terms wherever appearing, and override and exclude any other terms stipulated or incorporated or referred to by the Buyer, whether in the order or in any negotiations, and any course of dealing established between the Seller, and the Buyer. All orders hereafter made by the Buyer shall be deemed to be made subject to these terms.

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## Delivery

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## Carriage and Packing

Packing materials are in most instances non-returnable. The Seller will pay packing and carriage on all orders having a net value of £250 (exc.VAT) or over and the Goods will be consigned by carrier at goods rate. Orders instructing despatch by other means will be subject to a packing and carriage charge to cover additional cost. Orders of less than £250 (exc.VAT) net value will be consigned by parcel post up to 5kg in weight, otherwise goods will be consigned by carrier at goods rate.

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The Buyer shall ensure that labels, names, reference numbers and marks on the Goods and packing materials and cases are not removed, altered or covered whilst the Goods are in his possession and shall not remove any label or plaque affixed to the Goods referring any user thereof to the Seller's or any other party's instructions and/or recommendations for use. If any item comprised in the Goods is resold by the Buyer the Buyer shall bring to the attention of his purchaser all instructions and/or recommendations for use packed with the Goods or which the Seller has otherwise notified to the Buyer.

## Damage or Loss in Transit

When the price quoted includes delivery, the Seller shall repair or replace free of charge goods damaged in transit or not delivered in accordance with the advice note, provided that in the event of damage or shortage, written notification giving details of such damage or shortage must be sent to the Seller within 7 days of receipt, and in the event of non-delivery must be sent to the Seller within 14 days of the date shown on the advice note. Order number, advice note and date of despatch are required, and in the event of failure to give notice within the aforementioned period, the Goods will be deemed to be in all respects as invoiced.

## Returns

Goods supplied in accordance with the Buyer's orders cannot be accepted for return without the Seller's written consent. If such consent is given an administration charge will be made. Returned Goods must be sent carriage free and at the Buyer's risk and will only be accepted if packed in the original carton which in the Seller's

opinion is in a saleable condition. Only Goods of current design will be accepted for return.

## Payments

For UK and Republic of Ireland sales, payment is due before the end of the month following despatch. Value Added Tax for UK sales is payable and is calculated on the cash discounted value of each invoice. If the Seller shall allow provisional credit in respect of any part of the Goods it shall be without prejudice to its rights to refuse to give up possession of any other part of the Goods except against payment: and the whole of the price of all goods bought or agreed to be bought by the Buyer shall fall due and payable without demand immediately on the happening of any of the following events:-

- failure by the Buyer to pay any sum due to the Seller within 14 days of the due date for payment;
  - commencement of the winding up of the Buyer;
  - any act, event or occurrence entitling any creditor of the Buyer to petition for the bankruptcy of the Buyer;
  - appointment of a receiver of any asset of the Buyer, or the levying of any distress or execution or any asset of the Buyer.
- The failure of the Buyer to pay any part of the price of the Goods in due time shall entitle the Seller to treat such failure as a repudiation of the whole contract by the Buyer and to recover damages for such breach of contract.

Interest on all sums due shall run at the rate of 2 per cent per annum over the base lending rate of Barclays Bank plc until payment is received before as well as after any judgement therefor.

## Liability

These terms set out the Seller's entire liability in respect of the Goods and the Seller's liability under these terms shall be in lieu and to the exclusion of all other warranties, conditions, terms and liabilities expressed or implied statutory or otherwise in respect of the quality or the fitness for any particular purpose of the Goods or otherwise (notwithstanding any advice or representation to the Buyer, all liability in respect of which howsoever arising, is expressly excluded) except any implied by law which by law cannot be excluded. Save as provided in these terms and except as aforesaid the Seller shall not be under any liability, whether in contract, tort (including negligence) or otherwise, in respect of defects in the Goods or failure to correspond to specification or sample or for any injury, damage or loss resulting from such defects or failure or from any work done in connection therewith. The Seller shall be under no liability to any purchaser of the Goods from the Buyer. In any event the Seller's liability (if any) whether in contract, tort or otherwise in respect of any defect in the Goods, or for any breach of this Agreement or of any duty owed to the Buyer in connection herewith, shall be further limited in the aggregate to the price of the Goods in question. Nothing in these terms shall restrict the Seller's liability for death or personal injury caused by the Seller's negligence.

## Indemnity

The Buyer shall indemnify the Seller in respect of all damage injury or loss occurring to any person or property and against all actions, suits, claims, demands, charges or expenses in connection therewith arising from the condition or use of the Goods in the event and to the extent that the damage injury or loss shall have been occasioned partly or wholly by the carelessness of the Buyer and his servants or agents or by any breach by the Buyer of its obligations to the Seller hereunder.

## U.K. and Republic of Ireland Sales

For UK and Republic of Ireland sales risk of loss or damage to the Goods shall pass to the Buyer at the time of delivery. The property in the Goods shall not pass to the Buyer until: all sums due or owing to the Seller by the Buyer on any account have been paid. The whole of the price shall not be treated as paid until any cheque, bill of exchange or other instrument of payment given by the Buyer has been met on presentation or otherwise honoured in accordance with its terms. The Seller may sue for the whole of the price at any time after it has become payable.

Until such time as the property in the Goods passes to the Buyer, the Buyer shall hold the Goods on a fiduciary basis as bailee of the Seller and shall keep the Goods separate from those of the Buyer and third parties and properly stored, protected, insured and identified as the Seller's property, but the Buyer shall be entitled to resell and use the Goods in the ordinary course of its business for the account of the Seller. Until property in Goods passes from the Seller, the entire proceeds of sale or otherwise of the Goods shall be held in trust for the Seller and shall not be mixed with any other money or paid into any overdrawn bank account and shall be at all material times identified as the Seller's money. Until such time as property in Goods passes from the Seller the Buyer shall upon request deliver up such of the Goods as have not ceased to be in existence, or resold to the Seller. If the Buyer fails to do so the Seller may enter upon any premises owned, occupied or controlled by the Buyer where the Goods are situated and repossess the Goods. The Buyer shall not pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller. Without prejudice to the other rights of the Seller, if the Buyer does so all sums whatever owing by the Buyer to the Seller shall forthwith become due and payable.

## Export

All orders are accepted subject to a minimum value of £500. All Goods will be supplied and invoiced in multiples of carton quantities only. The basis of the prices quoted will be FOB as defined in Incoterms 2000 Edition, at a UK port which may be nominated by the Seller, or such other basis as may seem appropriate to the Seller in the circumstances. Payment unless otherwise agreed must be by irrevocable letter of credit confirmed by an established UK bank satisfactory to the Seller. The Seller has separate standard terms and conditions which apply to export sales, and a copy will be supplied to the export buyers.

## NOVAR ED&S Patents and Registered Designs

Many of the products offered for sale by the Seller are covered by

UK and foreign patents or other intellectual property rights. It is not feasible to mark each component or product with the appropriate patent numbers, but any relevant and reasonable enquiries will be dealt with on application, subject to reimbursement of the Seller's out of pocket expenses. The Seller also has rights in a number of names and trade marks, registered and unregistered. The Seller will take all necessary legal action in any part of the world against any party found to be manufacturing, selling or otherwise dealing with any article which infringes the Seller's patents, trade marks or other similar intellectual property rights.

## Force Majeure

Neither party shall be liable to the other for any failure or delay in the performance of any obligation hereunder as a result of strikes, lockouts, trade disputes, breakdown of plants, accident or other cause whatsoever beyond the reasonable control of the Seller or the Buyer respectively.

## Legal Construction

The contract shall be governed by and interpreted in accordance with English Law, and the Buyer submits to the jurisdiction of the Courts in England but the Seller may enforce the contract in any court of competent jurisdiction. A person who is not a party to the contract shall have no rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any of its terms.

## Assignment

The Buyer shall not assign any benefit under the contract without the consent in writing of the Seller, which may if given be on such terms as to guarantee or indemnify or otherwise as the Seller thinks fit.

## Health and Safety at Work etc. Act 1974.

### Statement to purchasers and prospective purchasers

- Section 6\* of this Act provides that manufacturers, designers, importers or suppliers of articles for use at work have a duty to ensure, so far as is reasonably practicable, that the article will be safe and without risk to health at all times when it is being set, used, cleaned or maintained by a person at work. An absence of safety or risk to health is to be disregarded insofar as the case in or in relation to which it arises is shown to be one the occurrence of which could not reasonably be foreseen and in determining whether any such duty as aforementioned has been performed regard shall be had to any relevant information or advice which has been provided by the manufacturer, designer, importer or supplier.
- Having regard to these provisions the following is given as a guide to the information which is readily available to you, in order that the obligations of all concerned may be met as fully as is reasonably practicable. This information relates to those products detailed in the Seller's catalogue(s) or associated literature.
- Information on the design, construction and installation of the Seller's products to ensure that so far as is reasonably practicable they are safe and without risk to health when properly used may be found in:
  - Regulations for Electrical Equipment of Buildings (published by the Institution of Electrical Engineers) Catalogues and product leaflets of the Seller.
  - Or may be obtained by specific request to the Seller.
- It is important that the products concerned should be installed, commissioned and maintained by, or under the supervision of competent persons in accordance with good engineering practice and
  - The Regulations for the Electrical Equipment of Buildings
  - Codes of Practice
  - Statutory Requirements
  - Any instructions specifically advised by the Seller and where appropriate, with particular reference to information marked on the product.
- In accordance with the provisions of the Act, the Buyer is therefore requested to take such steps as are necessary to ensure that any appropriate information relevant to the Seller's products is made available by you to anyone concerned.

\* As amended by section 36 of the Consumer Protection Act 1987.

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## MK Trade Mark.

Registered in Great Britain and other countries 'MK' are the initials of 'Multy-Kontakt' - a name coined to signify 'many points of contact' the salient feature of our pioneer spring-grip socket patented in 1919.



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## **Honeywell's Commitment to Health, Safety and the Environment**

By integrating health, safety and environmental considerations into all aspects of our business, we protect our employees, our communities and the environment, achieve sustainable growth and accelerated productivity, drive compliance with all applicable regulations and develop technologies that expand the sustainable capacity of our world. Our health, safety and environmental management systems reflect our values and help us meet our business objectives.

- We protect the safety and health of our employees, and minimise the environmental footprint of our operations through efforts to prevent illness, injury and pollution.
- We actively promote and develop opportunities for expanding sustainable capacity by increasing fuel efficiency, improving security and safety, and reducing emissions of harmful pollutants.
- We are committed to compliance with all of our health, safety, environmental and legal requirements everywhere we operate.
- Our commitment to health, safety and the environment is an integral aspect of our design of products, processes and services, and of the lifecycle management of our products.
- Our management systems apply a global standard that provides protection of both human health and the environment during normal and emergency situations.
- We identify, control and endeavor to reduce emissions, waste and inefficient use of resources and energy.
- We are open with stakeholders and work within our communities to advance laws, regulation and practices that safeguard the public.
- We abide by the company's own strict standards in cases where local laws are less stringent.
- Our senior leadership and individual employees are accountable for their role in meeting our commitments.
- We measure and periodically review our progress and strive for continuous improvement.

These are our commitments to health, safety, and the environment, and to creating Sustainable Opportunity everywhere we operate.

# MK Product Range Finder

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