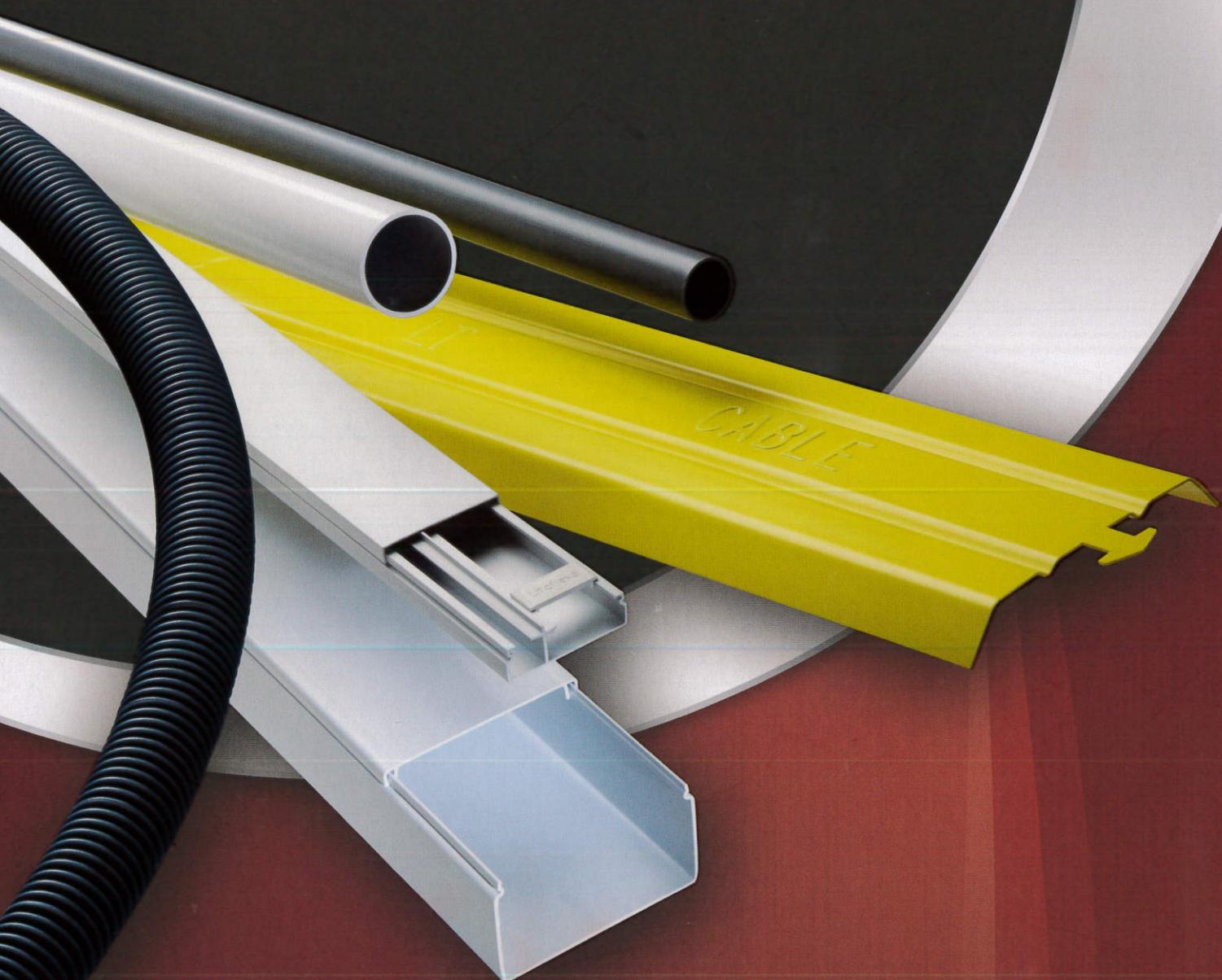




**TITAFLEx**®



## **uPVC Trunking and Conduit**

for Electrical Wiring and Air-conditioning  
Piping Installation



bizSAFE<sub>3</sub>

NO.:2003-1-0590  
2003-2009

PSB TEST  
UC : 00189

Established since 1988, LITAFLEX PLASTICS Mfg has grown to be one of the region's leading PVC Extruders. LITAFLEX primarily engages in the manufacturing of a wide variety of uPVC Trunking and Conduit Pipe for the laying of electrical cables and air-conditioning piping installation.

## INNOVATION AND CONTINUOUS IMPROVEMENT

Along with the growing market in Singapore and the region, LITAFLEX have also been constantly seeking for continuous improvement. Being an innovative and a dedicated manufacturer, LITAFLEX regularly upgrades its manufacturing facility with the latest extruders and other ancillary equipment to increase its manufacturing efficiency, improve its quality consistency, and offer a wider range of products to its customers.

Our recent backward integration into in-house compounding and mixing of raw material has also taken LITAFLEX to the next level where better quality control, increased cost efficiency, and thus competitive pricing is achieved.



## BEING WHOLLY MANUFACTURED IN SINGAPORE LITAFLEX IS BETTER ABLE TO DELIVER :-

### QUALITY ASSURANCE AND RELIABILITY

With LITAFLEX's manufacturing plant and office wholly located in Singapore, its manufacturing to delivery processes are made more streamlined, information flow is more transparent and frequent quality checks are also made more possible. Trust LITAFLEX's uncompromising attitude with respect to quality. Being awarded the ISO 9001: 2008 Certification and the Product Listing Scheme Certification, LITAFLEX have well defined and stringent quality assurance systems where all employees from top to bottom are responsible for quality & services. Over the years, quality assurance has always been LITAFLEX's strongest selling point, which no doubt, allowed LITAFLEX to stay ahead of the tough competition, as well as significantly increased its worldwide recognition.

### PROMPT DELIVERY AND SERVICE

LITAFLEX's consolidated structure requires lesser lead time for delivery. With a locally based manufacturing plant and warehousing measuring 5,000 square meters, coupled with a fleet of delivery trucks, LITAFLEX possesses sufficient capacity and storage to ensure timely and efficient delivery even at a very short notice. Prompt customer service and support are also made available just a phone call away.



# uPVC CABLE TRUNKING

LITAFLEX uPVC Cable Trunkings are manufactured from a specially formulated high impact Polyvinyl Chloride in strict accordance to comply with the Singapore Standard SS 275: 1999

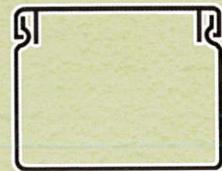
## INNOVATION AND MODERNIZATION

LITAFLEX has developed this compact trunking for laying long runs of General Cable and Telecommunication Cables along the walls and across ceilings.

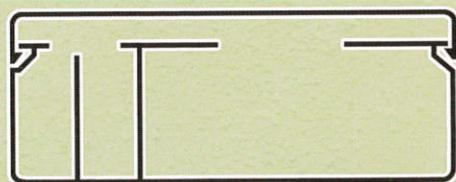
The ingenious 'Snap-on' design, together with a beautiful and compact finish, can certainly protect the Cables from being damaged or dirty. Easy installation is also facilitated.

The vast variety of design and sizes offer a wide range of application in both Domestic and Industrial Facilities.

LITAFLEX has built up an enviable reputation through the years and has faithfully delivered its promises of superior quality. This, no doubt, explains the widespread popularity of LITAFLEX products, which are specified for use in almost every contract in Private Condominiums, HDB Public Housing, Commercial and Industrial Buildings.



Single Compartment Trunking



Multi Compartment Trunking



Carpet Trunking

**SINGLE - COMPARTMENT TRUNKING**

Product No.	External Dimension Width X Height	Standard Pack Local Export	
TK 016010	16mm X 10mm	50	100
TK 016016	16mm X 16mm	50	50
TK 022013	22mm X 13mm	50	50
TK 025013	25mm X 13mm	50	50
TK 025016	25mm X 16mm	50	50
TK 025025	25mm X 25mm	20	40
TK 032013	32mm X 13mm	50	50
TK 032016	32mm X 16mm	50	50
TK 032018	32mm X 18mm	50	50
TK 038016	38mm X 16mm	20	40
TK 038025	38mm X 25mm	20	40
TK 040013	40mm X 13mm	50	50
TK 040020	40mm X 20mm	20	40
TK 040025	40mm X 25mm	20	40
TK 040040	40mm X 40mm	10	20
TK 050032	50mm X 32mm	10	20
TK 050040	50mm X 40mm	10	20
TK 050050	50mm X 50mm	10	20
TK 075050	75mm X 50mm	10	10
TK 075060	75mm X 60mm	10	10
TK 075075	75mm X 75mm	4	10
TK 085065	85mm X 65mm	4	8
TK 105065	105mm X 65mm	4	8
TK 100050	100mm X 50mm	5	10
TK 100060	100mm X 60mm	5	10
TK 100080	100mm X 80mm	4	8
TK 125055	125mm X 55mm	5	10
TK 125100	125mm X 100mm	2	6
TK 150080	150mm X 80mm	2	6
TK 150100	150mm X 100mm	2	6
TK 200055	200mm X 55mm	2	2
TK 200100	200mm X 100mm	2	2

STANDARD LENGTH : 2M  
 COLOUR : WHITE  
 LARGER SIZE : See Air - Conditioning Trunking

**Single Compartment Trunking**

Serves the practical and economical needs of today. Effortless and quick installation is made suited for any application that is related to the wiring and protection of cables. The base can be secured to the wall or ceiling by adhesive or nails, while the cover lid is simply snapped on to the base.

**MULTI - COMPARTMENT TRUNKING**

Product No.	No. Of Compartments	External Dimension Width X Height	Standard Pack Local / Export	
TM 040020	2	40mm X 20mm	20	40
TM 060020	2	60mm X 20mm	20	40
TM 080032	2	80mm X 32mm	10	10
TM 100040	3	100mm X 40mm	10	10

STANDARD LENGTH : 2M

COLOUR : WHITE

TM Series : Complete with Retaining Clips

**Multi-Compartment Trunking**

Specializes in the segregation of Cables, specifically to ensure safety and convenience during installation. The larger compartment is capable of carrying numerous Electrical Power Cables while the smaller compartment is suited for Telephone and CATV Cables.

A Bridging Retaining Clip is also offered to ease installation in a quicker and neater manner. These inserted clips into the pre-punched slots at the corner of the trunking base, together with the removable 'snap-on' cover lid, indeed gives a very tidy and compact installation.

**CARPET TRUNKING**

Product No.	External Dimension Width X Height	Standard Pack Local / Export
TC 050012	50mm X 12mm	10
TC 080018	80mm X 18mm	10

STANDARD LENGTH : 2M

COLOUR : WHITE / BLACK

**Carpet Trunking**

Specially designed to protect Cables and Cords from exposed damages while running along the surface floor. It can be secured to the floor by means of adhesive, nails or screw. The superior quality of its material and structure promotes excellent mechanical strength and also, the convenience and safety of the public. For instance, the feasibly and intelligently curved-contour design of the trunking facilitates the pushing of trolleys across the running cables on the surface floor and eliminates walking obstacles caused by running cables.

# uPVC CORRUGATED CONDUIT & FITTINGS

LITAFLEX is the first manufacturer to introduce Corrugated Conduit in Singapore. Excellent Thermoplastics material specially formulated to meet the requirement of IEC 61386-22 : 2002

The unique design of corrugated construction provides and offers considerable flexibility for laying long runs of cables buried under the concrete without excessive joints. It is extremely suitable for surface installation and lighting fixtures, where cables are run from concrete ceiling down to false ceiling.

In today's worldwide advance telecommunication industries, LITAFLEX Corrugated Conduit can be extruded with a Pre-installed pulling tape made of Nylon meant for the drawing of Cables. It is widely used as a Sub-Duct for the protection of Optical-fiber Cables.

LITAFLEX also supplies a wide range of fittings and accessories to complement its Corrugated Conduits and hence provide a continuity installation.

• Flame Retardant

• Medium Duty

Product No.	Diameter		Standard	Packing
	Outer	Inner	Coil	Export
FC 16PVC	16mm	11.0mm	50M	5
FC 20PVC	20mm	14.6mm	50M	5
FC 25PVC	25mm	19.0mm	50M	5
FC 32PVC	32mm	24.8mm	25M	5
FC 40PVC	40mm	32.0mm	25M	3
FC 50PVC	50mm	41.2mm	25M	3

COLOUR : BLACK, WHITE, GREY, ORANGE

## PRODUCT FEATURES

- Flame Retardant - Self-extinguishing in event of fire
- Temperature Resistance - From -5°C to 60°C
- Excellent resistance to most acids and chemicals
- Has compression strength
- Available in long length, thus reducing the number of connections
- Lightweight, flexible and easy to install
- Can simply be cut by knife or cutter
- Do not kink

**POLYPROPYLENE CORRUGATED SUB-DUCT**  
 (Complete with pre-installed Nylon Pulling Cord)

Product No.	Diameter		Standard	Packing
	Outer	Inner		
FC 32SD	32mm	24.8mm	500M	2
FC 40SD	40mm	32mm	500M	2

COLOUR: BLACK



Corrugated/Plain Connector



Product No.	Size	Packing
FCF 20CP	20mm	100
FCF 25CP	25mm	100

Corrugated Angle Adaptor



Product No.	Size	Packing
FCF 20AA	20mm	100
FCF 25AA	25mm	100

Corrugated Adaptor



Product No.	Size	Packing
FCF 20CA	20mm	100
FCF 25CA	25mm	100
FCF 32CA	32mm	20
FCF 40CA	40mm	20

Corrugated Connector



Product No.	Size	Packing
FCF 20CC	20mm	100
FCF 25CC	25mm	100

Corrugated Gland



Product No.	Size	Packing
FCF 16CG	16mm	100
FCF 20CG	20mm	100
FCF 25CG	25mm	100
FCF 32CG	32mm	50

Physical Properties of LITAFLEX Conduit Material

	Unit	Thermoplastics
Density	g/ cm <sup>3</sup>	0.9
Yield Strength	kg/ cm <sup>2</sup>	280
Ultimate Strength	kg/ cm <sup>2</sup>	400
Ultimate Elongation	%	800
Flexual Modulus	kg/ cm <sup>2</sup>	12000

Physical Properties of LITAFLEX Conduit Material

	Unit	Thermoplastics
Notched (-20°C)	Kg-cm/cm	5
Rockwell Hardness	R scale	86
HDT (46kgf/cm <sup>2</sup> )	°C	112
Shrinkage MD/TD	1/1000	15/14
Water Absorption	-	negligible



# uPVC CONDUIT PIPE

LITAFLEX uPVC Conduit Pipes and uPVC Conduit Fittings are produced from a specially formulated compound, Polyvinyl Chloride. They are manufactured to comply with the British Standard BS EN 61386-21: 2004 and BS 4607 Part 5 respectively.

Being widely used for surface installation, and also particularly for wiring systems embedded in concrete slabs, LITAFLEX worked hand in hand with creative ideas and solutions to manufacture Conduits and wide range of Fittings and Accessories that are tough enough to provide excellent protection of Electrical Cable Wiring Systems even under arduous conditions. A reduction in the installation time is also facilitated.

## British Standard BS EN 61386-21:2004

### uPVC CONDUITS PIPE

Norminal Size		Wall Thickness		Packing	
Product No.	Outer Dimension	Medium Gauge	Heavy Gauge	Local	Export
CP 20	20mm	1.6	1.8	20	50
CP 25	25mm	1.7	1.9	20	40
CP 32	32mm	2.0	2.2	10	10
CP 40	40mm	2.2	2.5	10	10
CP 50	50mm	2.5	2.8	5	5

#### Classification

: Medium Gauge Class 332112

: Heavy Gauge Class 442112

#### Standard Length

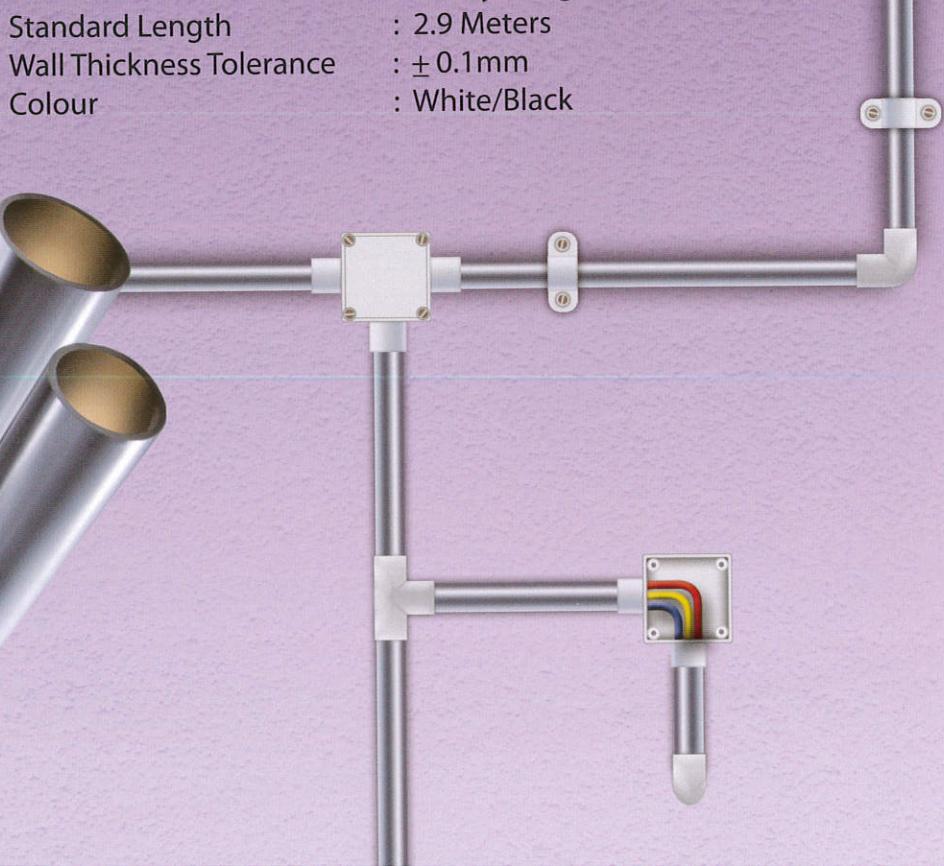
: 2.9 Meters

#### Wall Thickness Tolerance

:  $\pm 0.1\text{mm}$

#### Colour

: White/Black



# ADVANTAGE OF LITAFLEX uPVC CONDUIT SYSTEM

## • Lightweight

uPVC is approximately 1/6 the weight of equivalent galvanized steel system, making it easier to transport, install and handle.

## • Time saving installation

It is easy to cut and push fit to accessories. No treading and special tools are required to cut and joint. The conduit cuts easily with a sharp handsaw or PVC cutter and is securely joined by solvent cement.

## • Cold bending

Forms a 90° angle with just the aid of a bending spring.

## • Safety

u PVC is a non-conductive material, producing a fully insulated system.

## • Corrosion resistant

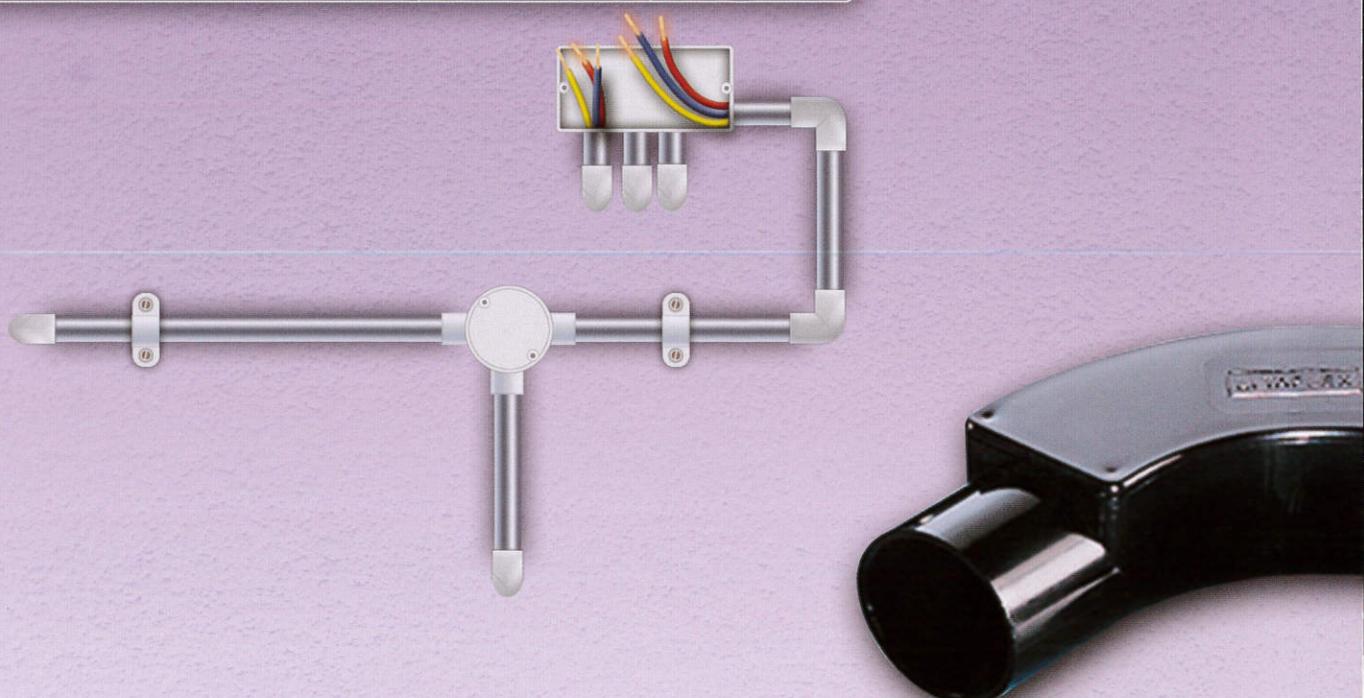
Rigid, non-conducting PVC conduit is immune to almost all types of corrosives such as chemical, inorganic acids, biological, or electrochemical it encounters in either underground or aboveground systems.

## • Cost effectiveness

uPVC Conduit is less expensive compared to steel. Further savings on labour cost can also be generated due to a faster installation time.

Physical Properties of Conduit Material

	Unit	PVC
Specific Gravity	g/cm <sup>3</sup>	1.35
Water Absorption	-	negligible
Module of Elasticity	kg/cm <sup>2</sup>	30,000
Softening Temperature	°C	75-85
Forming Temperature	°C	120
Insulating Temperature	Megohm	2.8 X 10 <sup>5</sup>
Elongation at Tear	%	30



# uPVC CONDUIT PIPE & FITTINGS

## CIRCULAR BOX



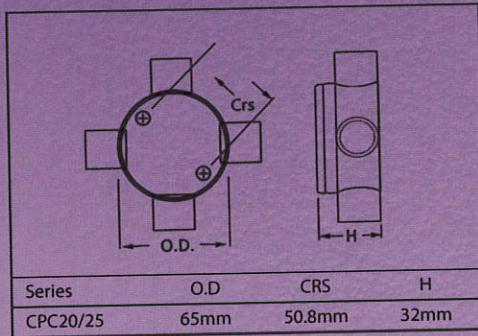
Product	Size	Packing
CPC 201	20mm	100
CPC 251	25mm	100
CPC 321	32mm	100

Product	Size	Packing
CPC 202	20mm	100
CPC 252	25mm	100
CPC 322	32mm	100

Product	Size	Packing
CPC 20A	20mm	100
CPC 25A	25mm	100
CPC 32A	32mm	100

Product	Size	Packing
CPC 203	20 mm	100
CPC 253	25 mm	100
CPC 323	32 mm	100

Product	Size	Packing
CPC 204	20mm	100
CPC 254	25mm	100
CPC 324	32mm	100



### SPECIFICATIONS

- ◎ BS 4607 Part 5 where applicable
- ◎ Available in Black and White

## SQUARE JUNCTION BOX



Product	Size	Packing
CPS 401	40mm	10

Product	Size	Packing
CPS 402	40mm	10

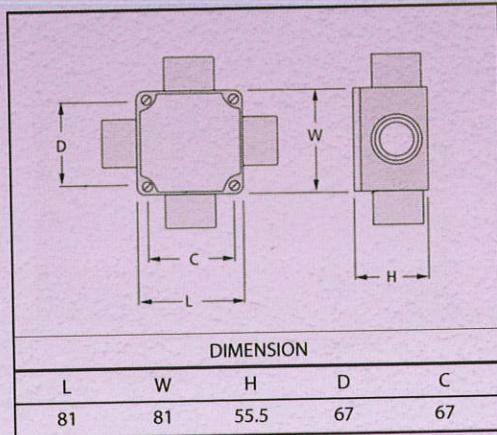
Product	Size	Packing
CPS 40A	40mm	10



Product	Size	Packing
CPS 403	40mm	10

Product	Size	Packing
CPS 404	40mm	10

Available in Black and White



Box complete with Cover Lid and Screw



# ACCESSORIES

Extension Ring



Female Adapter



Socket



90° Bend



Straight Tee



Product	Size	Packing
CPC 50ER	50mm	100

Product	Size	Packing
CPC 20FA	20mm	1000

Product	Size	Packing
CPC 20SK	20mm	1000

Product	Size	Packing
CPC 20B	20mm	1000

Product	Size	Packing
CPC 20ST	20mm	1000

CPC 25FA	25mm	500
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CPC 25SK	25mm	500
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CPC 32FA	32mm	100
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CPC 32SK	32mm	100
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CPC 40SK	40mm	20
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CPC 50SK	50mm	20
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Inspection Bend



Inspection Tee



Bar Saddle



Lighting Joint



Circular Lid



Product	Size	Packing
CPC 20IB	20mm	100

Product	Size	Packing
CPC 20IT	20mm	100

Product	Size	Packing
CPC 20BS	20mm	100

Product	Size	Packing
CPC PL	20mm	1000

Product	Size	Packing
CPC CL	20mm	1000

CPC 25IB	25mm	100
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CPC 25IT	25mm	100
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CPC 25BS	25mm	100
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CPC CL	25mm	1000
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CPC 32IB	32mm	100
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CPC 32IT	32mm	100
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CPC 32BS	32mm	100
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CPC CL	32mm	1000
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Dome Cover



K. O Box (2 Gang)



K. O Box (1 Gang)



Surface Box (2 Gang)



Surface Box (1 Gang)



Product	Size	Packing
CPC DC	20mm	1000

Product	Type	Depth	Packing
CPS K02	2 Gang	38mm	100

Product	Type	Depth	Packing
CPS K01	1 Gang	38mm	100

Product	Type	Depth	Packing
CPS SM2	2 Gang	28mm	100

Product	Type	Depth	Packing
CPS SM1	1 Gang	28mm	100

Partition Box (1 Gang)



Partition Box (2 Gang)



Product	Type	Depth	Packing
CPS PB1G	1 Gang	34mm	100

Product	Type	Depth	Packing
CPS PB2G	2 Gang	34mm	100

