



UJ Piping Solutions

CABLE CONDUIT

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CERT NO.: 2024-2-2682
ISO 9001 : 2015



CABLE PIPES

measurements in mm		Thickness	
Nominal Diameter	Outer Diameter	Class B	Class C
50	60.2 - 60.5	-	2.5
75	88.7 - 89.1	2.9	3.5
100	114.1 - 114.5	3.4	4.5
155	168.0 - 168.5	4.5	6.6
200	218.8 - 219.4	5.3	7.8
250	272.6 - 273.4	6.6	9.7
300	323.4 - 324.2	7.8	11.5

SS141 CLASS B & CLASS C

SS141 distinguishes between Class B and Class C pipes, primarily varying in wall thickness, thereby offering versatility in their applications. Class B pipes are mainly normal duty applications in street lamps cable laying, while Class C pipes are used for heavy duty cable laying application, i.e: concrete casting.

Primarily utilized as cable conduits, these pipes exhibit commendable insulating and dielectric properties, rendering them suitable for this purpose. Moreover, they serve as a cost-effective and pragmatic choice within the infrastructure domain.

Endorsed by regulatory bodies such as the Public Utilities Board, Singapore Power and the Land Transport Authority, Class B and C pipes are extensively employed for the installation of power cables. Facilitating ease of connection, these pipes are manufactured in grey and feature a socket-end on one end of the pipes.

SS272 TELECOM

Telecom pipes have a diameter of 110mm, specifically designed for telecommunication cabling conduit purposes. It comes equipped with a comprehensive set of fittings and accessories. SS272 Telecom pipes are produced in grey color and feature a one side socket-end, 6 metres in length.

measurements in mm		Thickness
Nominal Diameter	Outer Diameter	110 Telecom
110	110	3.2



APPROVED

BRAND

UPVC SS272 SINGAPORE TELECOM

UPVC SS141 CLASS B PIPE

CABLE CONDUIT LONG BEND

Long Bends

In cable-laying underground, long bends provides for more allowance and flexibility with a larger radius. Special-angled long bends in AW, AE, SS141 Class B and SS272 Telecom standard available upon request.

Sizes:

SS141 Class B: 50, 75, 100, 155, 200 (mm)

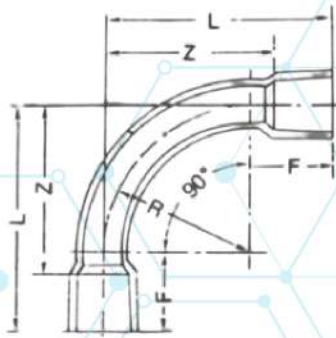
SS141 Class C: 50, 75 (mm)

AE/AW: 20, 25, 30, 40, 50 (mm)

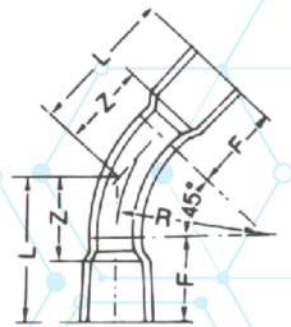
Common angles (degrees): 11.25, 22.5, 45, 90

Special angles (degrees): 9, 30, 60

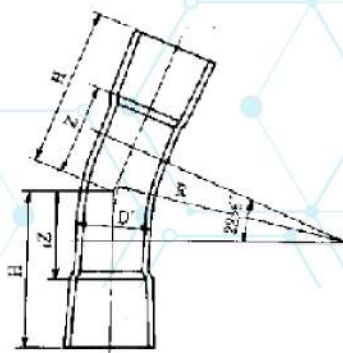
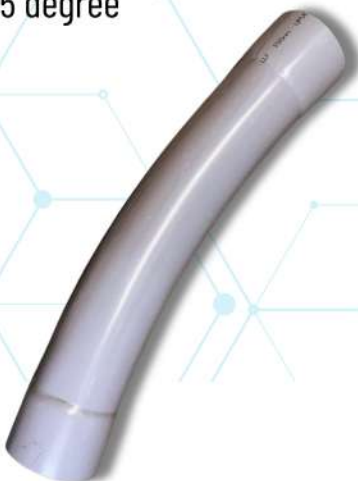
90 degree



45 degree



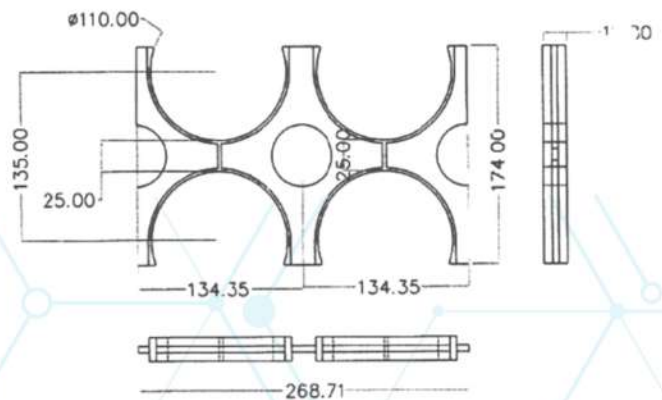
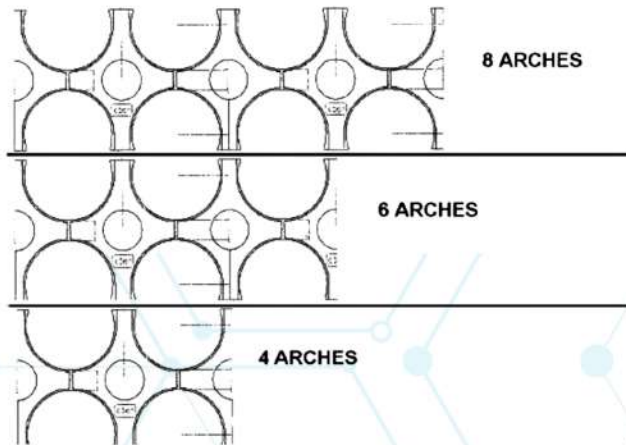
22.5 degree



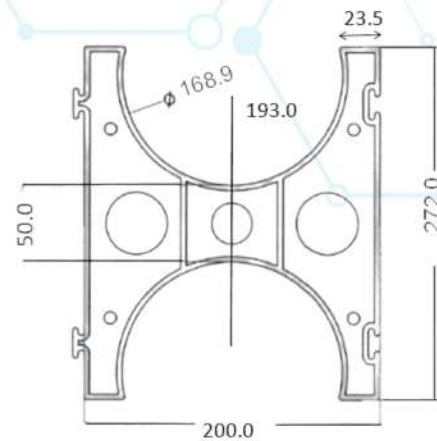
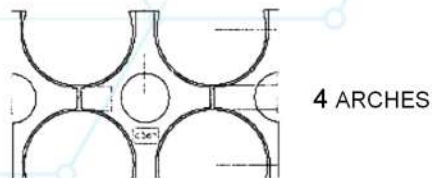
CABLE CONDUIT SPACER

Spacers allow for pipe organization and spacing in underground pipe-laying.

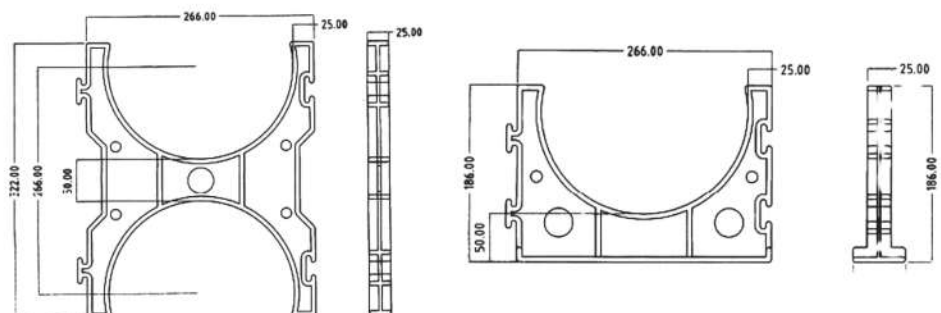
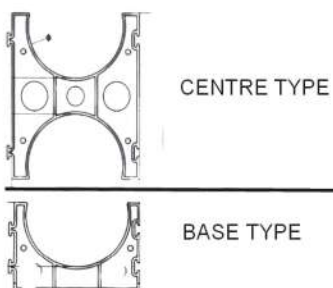
100mm SS141 Class B / 110mm Telecom Pipe Spacers



155mm SS141 Class B Pipe Spacers



200mm SS141 CLASS B Pipe Spacers





Socket

Joins cable pipes on plain ends

Sizes:
110, 155mm



45deg Elbow

Provides a 45 degree joint on plain end of pipes

Size:
155mm



90deg Elbow

Provides a 90 degree joint on plain end of pipes

Size:
155mm



Tee

Joins cable pipes

Size:
155mm

CABLE CONDUIT ACCESSORIES



Testing Mandrel

Mandrels are used to pull through ducts to prove joint and duct integrity of cable pipes or telecom pipes underground.

Sizes: 110, 155mm (other sizes available upon request)



Cable Cover Plate

Used to provide marking and indication of cables within pipes.

Type : Angled / Flat
Embossed Text: as per user's requirement

Sizes:
120mm x 1m (TAS use)
150mm x 1m
172mm x 1m
272mm x 1m



Nylon Rope

Thickness x length
5mm x 150m
(other thickness avail upon request)

Colour:
Green



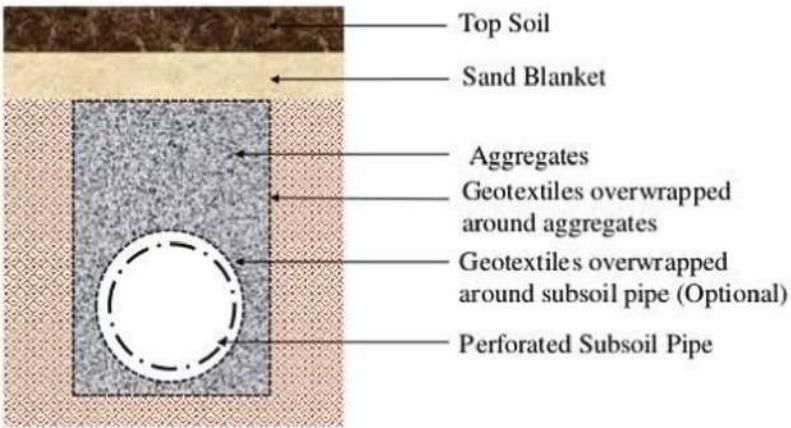
End Plug

Slotted into cable pipes to seal cable pipeline

Sizes:
110, 155mm

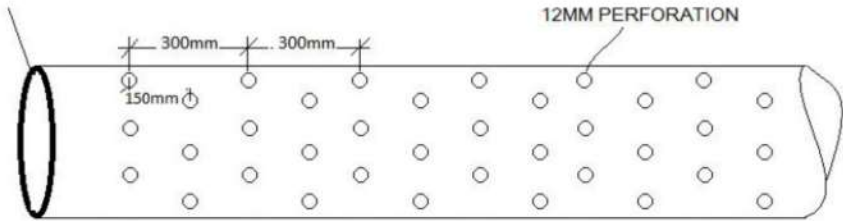
SUB-SOIL PIPE (UNDERGROUND DRAINAGE PIPE)

Perforated UPVC pipes are ideal for subsoil piping applications, offering an efficient solution for managing groundwater and preventing soil erosion. These pipes are designed with strategically placed perforations that allow water to enter and be redirected away from critical areas, ensuring effective drainage.

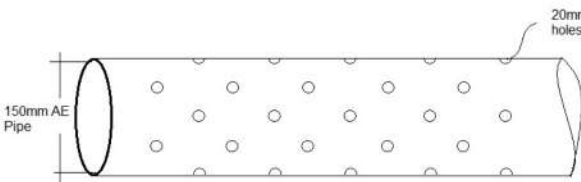


400MM AE PIPE

12MM PERFORATION



20mm perforated holes



WE'VE EARNED OUR MARK FOR OUR COMMITMENT TO QUALITY



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ISO 9001 : 2015

A FIRST IN SOUTH EAST ASIA

Unitra Jaya takes pride in its commitment to excellence, evident in our adherence to international quality standards. Our uPVC fabrication team operates in strict compliance with ISO standards, ensuring that every product meets stringent quality benchmarks. With a focus on precision engineering and meticulous attention to detail, we strive to deliver uPVC solutions of unparalleled durability and performance.

Our dedication to ISO standards sets us apart, underlining our unwavering commitment to customer satisfaction and product reliability.

Our adherence to these globally recognized benchmarks not only reflects our pursuit of operational excellence but also reinforces our position as a trusted industry leader, providing clients with the assurance of superior quality and consistency in every project undertaken.

Quality management system certified by TÜV SÜD PSB Pte Ltd according to ISO 9001

FABRICATED FITTINGS

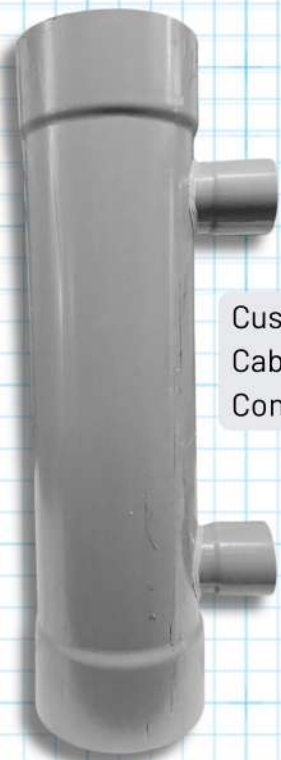


Block Puddle Flange

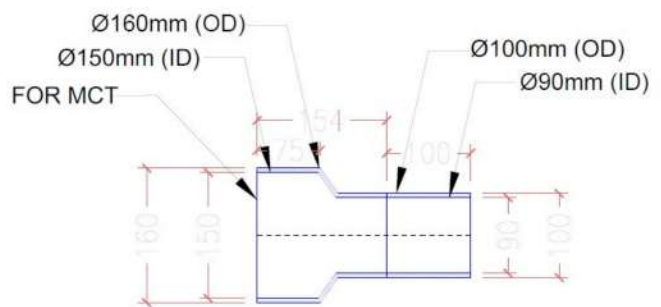
Large Radius
Long Bend



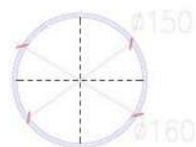
Puddle Flange



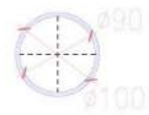
Customised
Cable
Connector Tee



SECTION



FRONT



BACK

uPVC Pipe Reducer (MCT)

UJ CABLE PIPES PROJECT REFERENCE



Tengah Town



Mandai Bus Depot



Bukit Brown Flyover



Tuas Mega Port



Marina East Desalination Plant



Changi Airport Terminal 5

Notes





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