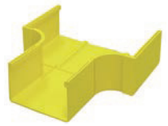
Customized machining supported

We can also provide custom-made products according to your site requirements.

Examples of custom-made products

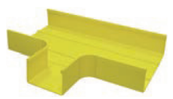
End (Insertion type)

Used to block duct ends

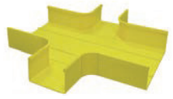


Differing size connection

Used for straight line connection between differing size units



Differing size branch connection (Horizontal T)

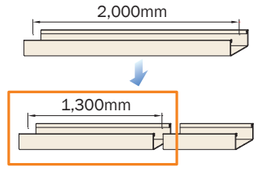


Differing size branch connection (Horizontal Cross)

Used for branch connection between differing size units

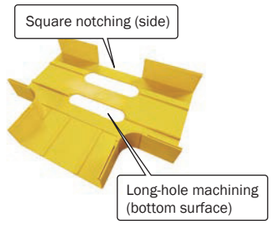
Examples of supported machining

Cutting



We can perform cutting according to your site requirements. Please consult us about the length and shape you require.

Drilling and mililing



We can drill holes in ducts.
Please consult us about hole size, location, quantity, and shape.

<Machined shapes>
- Mililing (round, long and square holes)
- Notching (round and square notches)
- Incision machining (round and square incisions)

Construction examples

202305

MASARU INDUSTRIES,LTD
http://www.masarukk.co.jp/

For samples and catalogs, please contact us at

0120-340-350
(Lines open: Weekdays 8:30 a.m. to 5:30 p.m. except weekends and national holidays)

Tray-type plastic ducts

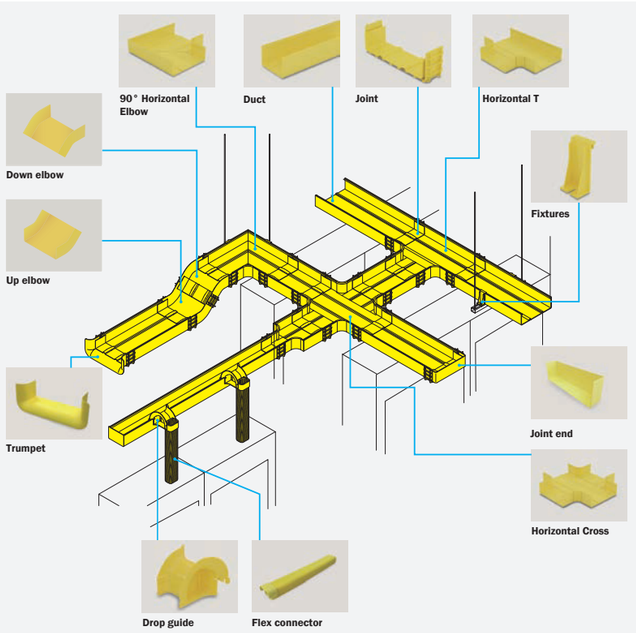
OPEN DUCT

Data center wiring series

MASARU INDUSTRIES,LTD

Tray-type plastic ducts are ideal for layered separation of important wiring and for protecting wire alignment
Produced in Japan, enabling speedy delivery
Quick response to custom machining required on site

Examples of OPEN DUCT construction



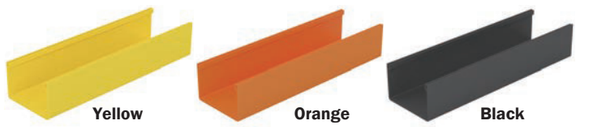
●POINT 1
Can be installed under the floor, on the hanging bracket, and on server racks, and can be layered or color-coded to allow for easy expansion and relocation.

●POINT 2
The tray type has a large housing capacity, and load-bearing capacity that can power cable as well as communication cable.

●POINT 3
A range of dedicated accessories are available, enabling direct wiring with optical cords as well as optical cables, helping to reduce total costs.

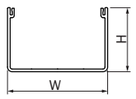
●POINT 4
We provide wiring route design and material selection support services, so please feel free to consult us about customized machining and delivery time to suit your site requirements.

Duct
Material: PVC (flame-retardant UL94 V-0 equivalent)



<Custom-made products>

■Cross-sectional view

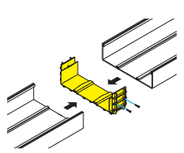


*The number of cables to be housed is the approximate figure shown on the drawing.
*The number of cables can be increased or decreased depending on the construction type, etc., so please use this as a guide.

Type		150 × 100 type		300 × 100 type		300 × 150 type	
Size (W × H)		150 mm × 96 mm		300 mm × 96 mm		300 mm × 146 mm	
Cross-sectional area		12,950 mm²		26,500 mm²		41,110 mm²	
Capacity ratio		40%	60%	40%	60%	40%	60%
Optical Fiber Cable No. of Cables	ϕ2.0 mm	1,649	2,473	3,374	5,061	5,234	7,852
	ϕ3.0 mm	732	1,099	1,500	2,249	2,326	3,489
UTP cable No. of Cables	Cat6 (ϕ6.2 mm)	171	257	351	527	545	817
	Cat6A (ϕ7.4 mm)	120	180	246	370	382	574

Joint
Material: ABS (flame-retardant UL94 V-0 equivalent)

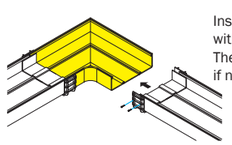
- Used to connect ducts with other ducts as well as ducts with bends
- The inner guide makes it easy to insert.
- Twelve fixing screws (M5 × 19) are provided for the 300 × 150 model, and eight for the others.



Insert the ducts to be connected about 38mm
Fasten both sides with the provided screws.
The bottom can also be secured with screws if necessary.

90° Horizontal Elbow
Material: PVC, ABS (flame retardant UL94 V-0 equivalent)

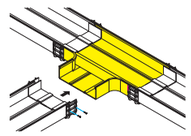
- Used for horizontal right angle connections.
- Cable bending radius of R50 can be secured.
- Use joints to connect to ducts.



Insert into the joint and fasten both sides with the screws provided.
The bottom can also be secured with screws if necessary.

Horizontal T
Material: PVC, ABS (flame retardant UL94 V-0 equivalent)

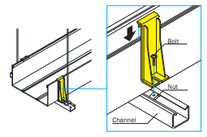
- Used for horizontal branching points.
- Cable bending radius of R50 can be secured.
- Use joints to connect to ducts.



Insert into the joint and fasten both sides with the screws provided.
The bottom can also be secured with screws if necessary.

Fixtures
Material: ABS (flame-retardant UL94 V-0 equivalent)

- Used to fix ducts on channels. It also suppresses opening of the duct sides.
- The recommended support interval in a straight line is 1.8 m or less, and there is a slit (6.5 mm wide) for fixing bolts and nuts.
- Bolts and nuts for channels are not included.

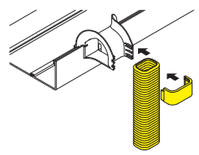


Fit it into the duct and secure it with bolts and nuts for the channel.

Recommended bolt and nut: S-DKSN-1

Flex Connector
Material: PE, ABS (flame retardant UL94 V-0 equivalent)

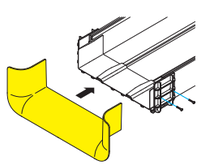
- Attached to the drop guide, it is used to protect the cable at the drop point to the server.
- The cable can be inserted by cutting the cutting groove on the bottom of flexible part with a knife or other tool.



Insert the flexible part into the rail of the drop guide and fit the coupling.

Trumpet
Material: PVC (flame-retardant UL94 V-0 equivalent)

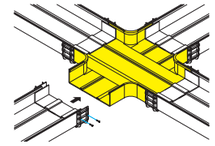
- Used for pulling cables in or out to other wiring routes.
- A cable bending radius of R50 can be secured for wiring from any vertical or horizontal direction.
- Use joints to connect to ducts.



Insert into the joint and fasten both sides with the screws provided.
The bottom can also be secured with screws if necessary.

Horizontal Cross
Material: PVC, ABS (flame retardant UL94 V-0 equivalent)

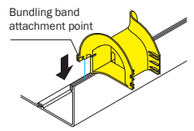
- Used for horizontal branching points.
- Cable bending radius of R50 can be secured.
- Use joints to connect to ducts.



Insert into the joint and fasten both sides with the screws provided.
The bottom can also be secured with screws if necessary.

Drop guide
Material: ABS (flame-retardant UL94 V-0 equivalent)

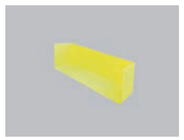
- Used to drop cables from ducts to any server.
- Easy installation by simply fitting it into the duct, and it can be placed at any location.
- Cable bending radius of R50 can be secured.
- There are two bundling band attachment points.
- Flexible joints can be attached to this structure. (180 width cannot be attached)



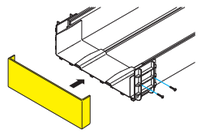
Fit it into the duct.

Two 4 mm wide slits are provided for fastening screws if necessary.
(Screws are not provided)

Joint end
Material: PVC (flame-retardant UL94 V-0 equivalent)

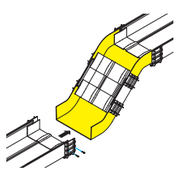


- Used to block duct ends.
- Use joints to connect to ducts.



Insert into the joint and fasten both sides with the screws provided.
The bottom can also be secured with screws if necessary.

Up elbow / Down elbow
Material: PVC (flame-retardant UL94 V-0 equivalent)



- Used for height adjustment when avoiding obstructions in the wiring route.
- Tolerable bending radius of the cable can be secured at R50.
- Use joints to connect to ducts.