



Straight Connector 14/10mm



Reducer 16mm to 10mm



End Cap for 14mm

# Accessories and Tools for Micrduct

# Contents

Connector & End Cap  
Branch Unit Closure  
Tools ( Tool Kit Case)  
Striping & Connecting



# Connector & End Cap

- Straight connector: General purpose between same size tubes
- End cap: Tube termination for future use, Blocks contamination by dust or mud
- Reducer: Connection between different diameter tubes



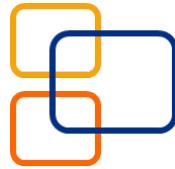
Straight connector



End cap



Reducer ( Transition Connector)



# Connector & End Cap

- Gas block connector: Blocks gas or water ingress along tube inside, Grips inside cable not to move
- DBL connector : TWD connection for direct burial
- Bulkhead: Patch panel distribution
- Lock pin: Prevents unintended tube release from connector
- Connector cover: Protects connector with lock pin function



Gas block



DBL connector



Bulkhead



Lock pin



Connector cover



# Branch Unit Closure

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Joint protection against soil pressure

Not water-tight

Direct burial, manhole or handhole application

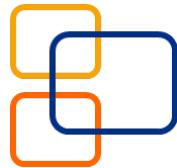
Mid-span accessible with separable nut assembly

In-line

Cable face to face connection

I/Y-closure, T-closure & D-Closure

Branch connection & Joining



# Branch Closure Specification



## I/Y Type

### Main Port

Up to DB 12/10mm 7way (OD: 44.8mm)

Up to TWD 14/10mm 4way (OD: 30.0mm)

### Distribution Port

Up to DB-HS 12/10mm 2way (OD: 31.0x19.0mm)



## D Type

### Main Port

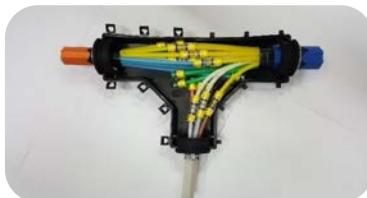
Up to TWD 18/14mm 7way (OD: 56.0 x 51.2mm)

Up to DB-HS 5/3.5mm 24+1way (OD: 37.5mm)

### Distribution Port

Up to TWD 18/14mm 2way (OD: 38.0 x 20.0mm)

Up to HS 5/3.5mm 7way (OD: 22.0mm)



## T-Type

Up to DB 5/3.5mm 24way (OD: 36.4mm)

Up to TWD 7/3.5mm 12way (OD: 30.0mm)



# Tools ( Tool Kit Case)

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- Duct cutter: Duct Clean cut ( 63mm & 42mm Cutting range)
- Sheath Remover : Slitter ( Double sheathed Duct), Hook Cutter
- Tube cutter : Tube clean cut for connection
- Deburring Tool : Improving the blowing performance



Duct cutter



Slitter & Hook Cutter



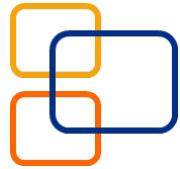
Tube cutter      Deburring Tool



Knet Tool Kit Case

# Stripping & Connecting





# Stripping & Connecting

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## TWD sheath striping



Duct Cut by Cutter



Sheath open by Hook Cutter



Cut by knife



Remove sheath



Exposed tubes



# Stripping & Connecting

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## DB sheath striping



Sheath cut by round cutter



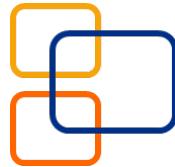
Cut & open by slitter



Cut 2nd sheath by rip cord  
(if exist)



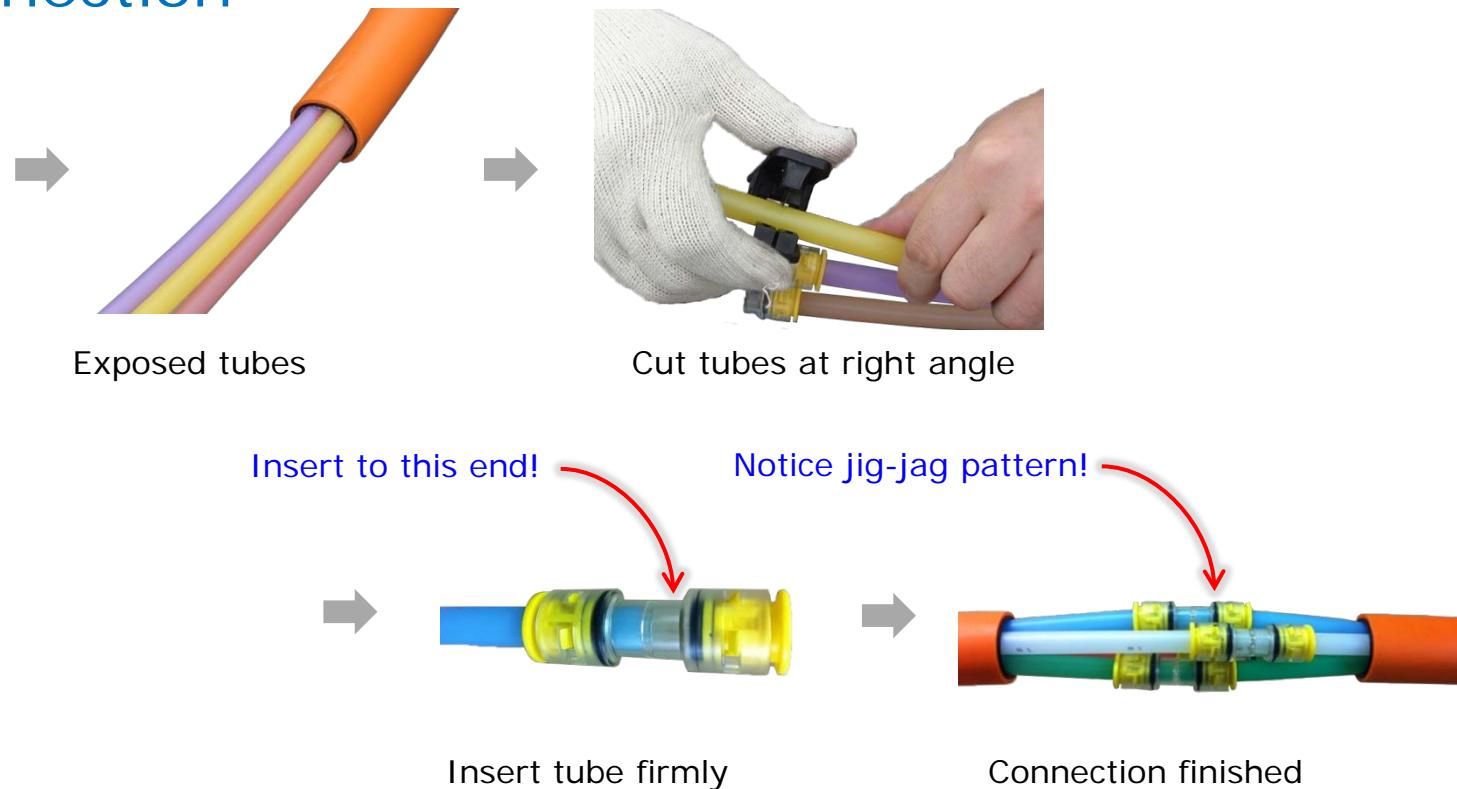
Remove sheath



# Stripping & Connecting

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## Tube connection

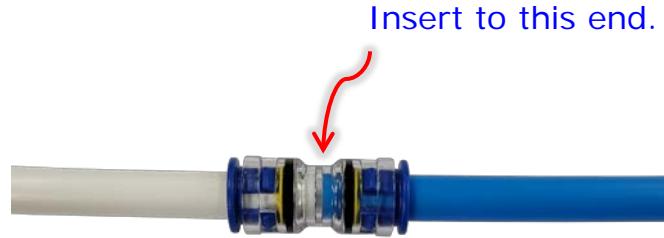


- Be careful during the operation in order not to damage the tube(scar, kink etc.).
- Check the color orientation of tubes for straight connection(not to twist) at joint.
- In case of not firm connection, there is a risk that strong air pressure might break weak connection point.



# Stripping & Connecting

## Tube connection



**Insert tube firmly and straightly!**

- Be careful during the operation in order not to damage the tube(scar, kink etc.)
- In case of not firm connection, there is a risk that strong air pressure might break weak connection point.

### \*Connector



### \*End cap





# Using Branch Unit Closure



1 Cut duct using duct cutter



2 Mark the spot of duct to take off the sheath



3 Cut the sheath using Hook cutter Or Slitter for double sheathed duct



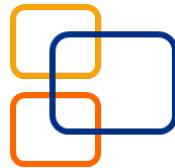
4 After removing the sheath, taping to fix microtubes and sheath



5 Make a hole of rubber sealing cap to insert the microtube



6 Insert microduct inside rubber cap and fix with cable ties.



# Using Branch Unit Closure



7 Align microtubes of both side



8 Cut microtubes



9 Connect two microtubes after taking out from closure



10 After coupling microtubes, sort tubes in zip zap shape.

11 Tight up the rubber cap with Cable ties

12 Close the cover and snap the hinges on top and bottom



THANK YOU



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