

## Straight Connector



### Application

- 1) The Push-Fit Connectors make splicing MicroDuct fast and easy. Simply push the MicroDucts into the center of the coupling. No tools are required. The coupler can be connected and disconnected 10 times and still maintain the high performance requirements for air blown installation systems.
- 2) Push-Fit MicroDuct connector operate at 15 BAR (218 psi) with a maximum permissible leakage rate of 1cc/min. This is equivalent to 1 bubble every 3 seconds. Higher pressures have been used in the field with no increase in leakage rate. Quick Burst rating is 25 BARS (363 psi).

### PART LIST *(Other sizes on request are available)*

Model Number	Part Name	Blow Pressure	Pull Strength For HDPE tube	Pull Strength For LSZH tube	Life Time
15103	5/3.5mm connector	> 18bar	≥ 350N	> 150N	10 Years
15106	7/5.5mm connector	> 18bar	≥ 350N	> 150N	10 Years
15105	7/3.5mm connector	> 18bar	≥ 350N	> 150N	10 Years
15107	8/3.5mm connector	> 18bar	≥ 350N	> 150N	10 Years
15108	8/5.5mm connector	> 18bar	≥ 350N	> 150N	10 Years
15109	10/8 mm connector	> 18bar	≥ 350N	> 150N	10 Years
15110	12/10mm connector	> 18bar	≥ 350N	> 150N	10 Years
15111	14/10mm connector	> 18bar	≥ 350N	> 150N	10 Years
15112	16/12mm connector	> 18bar	≥ 350N	> 150N	10 Years
15113	16/14mm connector	> 18bar	≥ 350N	> 150N	10 Years

### DESIGN LIFETIME

*The connector shall meet all performance requirements over a minimum period of 10 years at the normal condition*

## End Stop Connector



### Application

- 1) To keep MicroDuct networks free of debris, seal the system with Push-Fit End Caps. With the same functionality as the Push-Fit Connectors, installation simply involves pushing the MicroDuct into the End Cap. The End Cap can be attached and removed 10 times while still maintaining the same high performance characteristics.
- 2) Push-Fit MicroDuct End Stop Connector operate at 15 BAR (218 psi) with a maximum permissible leakage rate of 1cc/min. This is equivalent to 1 bubble every 3 seconds. Higher pressures have been used in the field with no increase in leakage rate. Quick Burst rating is 25 BARS (363 psi).

### PART LIST *(Other sizes on request are available)*

Model Number	Part Name	Blow Pressure	Pull Strength For HDPE tube	Pull Strength For LSZH tube	Life Time
15201	3 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15202	4 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15203	5 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15204	6 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15205	7 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15206	8 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15207	10 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15208	12 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15209	14 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years
15210	16 mm DI end stop	> 18bar	≥ 350N	> 150N	10 Years

### DESIGN LIFETIME

The connector shall meet all performance requirements over a minimum period of 10 years at the normal condition.



### TECHNICAL SPECIFICATION

Material: PC  
 Leakage Pressure: 15bar  
 Negative Pressure: -750mmHg(10 Torr)  
 Proof Pressure: 25bar  
 Temperature Range:  
 For Tubing Type: PE, PU, Nylon, Polyurethane

## Micro Duct Reducer



### Application

- 1) The Push-Fit Reducers make splicing Micro Duct fast and easy. Simply push the Micro Duct into the center of the coupling. No tools are required. The reducers can be connected and disconnected 10 times and still maintain the high performance requirements for air blown installation systems.
- 2) Push-Fit Micro Duct Reducers operate at 15 BAR (218 psi) with a maximum permissible leakage rate of 1cc/min. This is equivalent to 1 bubble every 3 seconds. Higher pressures have been used in the field with no increase in leakage rate. Quick Burst rating is 25 BARS (363 psi).

### SPECIFICATION

Model Number	For Tube OD(ID)
15401	5×3(2.1)mm
15402	8×3(2.1)mm
15404	8×5(3.5)mm
15406	10×7(5.5)mm
15407	10×8(5.5)mm
15408	12×7(5.5)mm
15409	12×10(8)mm
15411	14×12(10)mm
15413	16×12(10)mm

### TECHNICAL FEATURES

Material: Clear PC  
 Leakage Pressure: 15bar  
 Negative Pressure: -750mmHg(10 Torr)  
 Proof Pressure: 25bar  
 Temperature Range: -10~60°C  
 For Tubing Type: PE, PU, Nylon, Polyurethane



## Gas-Water Block Micro Duct Connector



### Description

This micro duct connector is used to prevent the liquid flowing between the connected micro ducts at transformation point. Thus, avoid fluid(gas) entering the micro ducts, and damage the equipment.

### PARAMETER

Model Number	Duct OD/ID(mm)	Cable Blocking Range(mm)	Quantity (pcs/ctn)
15301	5/3.5	0.9~2.5	2000
15302	7/5.5	0.9~4.5	1000
15307	8/6	0.9~4.5	1000
15303	10/8	4~8	1000
15304	12/10	3~6	600
15304-1	12/10	5~8	600
15305	14/10	3~6	400
15305-1	14/10	5~8	400
15305-2	14/10	7~10	400
15306	16/12	3~6	400
15306-1	16/12	5~8	400
15306-2	16/12	7~10	400





## Micro Duct Branching Connectors

### Description

Branching off microducts is a specially developed technique and an important part of the concept. This technique makes it possible to connect businesses, homes and clients to main branch lines. After the branch-off is made, a direct microduct path is available to the building where the fibre cable can then be jetted in without the need of splicing in the field. The free space in the protective duct ensures that the microduct can be easily located and connected. Existing cables in other microducts remain untouched.



### Y Branch

Y-branch connector is designed as a microduct manipulation point; for branching off any microduct at any location in the network. This dividable connector allows for branching without interfering with live traffic.

#### SPECIFICATION (DUET SIZE 'MM')

50\*50\*50 mm - (Part No.-151002)

### T Branch

T-branch is designed for semiredundant (flat ring) branching in a ring shaped network. In order to adapt these standard T-type branch connectors to configure with other main branch duct sizes, port reducers are available.

#### SPECIFICATION (DUET SIZE 'MM')

50\*50\*50 mm - (Part No.-161002)

### Features and Benefits

- Compact construction
- Small size
- No need for window-cuts in the cable
- Plug-and-Play
- No cable splice at branch-off
- Fully dividable construction
- No interference with live traffic in duct
- Easily accessible
- Branching at any place at any time
- No glue, no 2 component resin
- Compact construction
- Simple wrap-around design
- Kit Contents - Branch Connector
- Additional Items - Port reducers