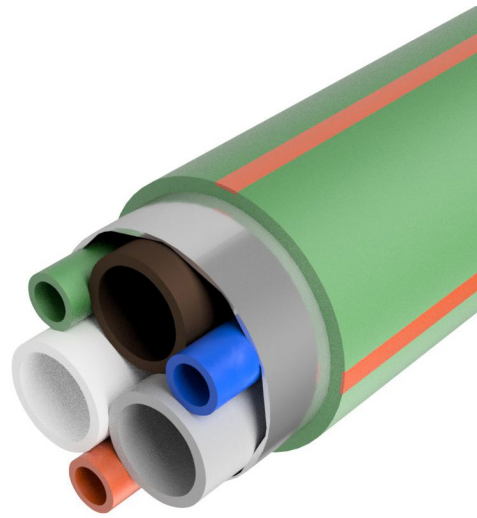




# Microduct Assembly

PIA  
Direct Install with Aluminium  
3x10/8+3x5/3.5 mm



## Description

Direct Install assembly consisting of 3x10/8mm MiniGlide® and 3x5/3.5mm MicroGlide® low friction tubes surrounded by an aluminium moisture barrier and a polyethylene sheath.

This assembly is suitable for installation within an existing duct.

Suitable for PIA application.

## Primary Tube

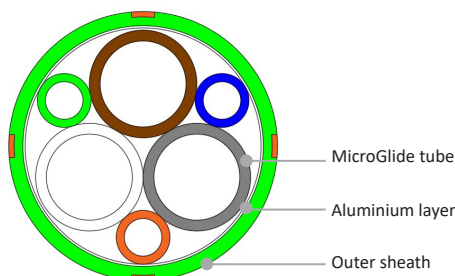
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall
- Solid colours
- Colour coded for ease of identification

O.D./I.D Nominal (mm)	O.D (mm)	Wall Min-Max (mm)	Bend Radius (mm)	Max Tensile (N)	Max Pressure (bar)	Reference
5/3.5	5.0-5.1	0.65-0.8	100	105	16	TS_MDT_5-3.5mm_HDPE
10/8	10.0-10.1	0.9-1.05	200	300	12	TS_MDT_10-8mm_HDPE

## Assembly

- Configuration: 3+3way
- Outer sheath: polyethylene
- Outer sheath colour: green with four orange stripes

Configuration	O.D. Nominal (mm)	Weight (g/m)	Bend Radius (mm)	Max Tensile (N)
3x10/8mm+3x5/3.5mm	25	230	300	2300



Schematic drawing, not to scale

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Test	Test Standard	Requirement
Tensile Performance	IEC 60794-1-2-E1	Specified tensile load, 10 min, v=50mm/min
Abrasion	IEC 60794-1-2-E2B	4N, 100 cycles
Crush	IEC 60794-1-2-E3	1000 N, 60 s, 1h recovery time There shall be no splitting nor permanent damage. Any permanent residual deformation shall not exceed 15%.
Impact	IEC 60794-1-2-E4	3J (rec 1h.)
Bend Performance & Repeated bending	IEC 60794-1-2-E6-E11	D= 40 x OD 25 cycles D= 40 x OD 3 turn Bend radius ≤20 x OD
Kink	IEC 60794-1-2-E10	D= 20 x OD
Ripcord Removal	Radius Inhouse	500mm sample lengths shall be cut and conditioned at -10°C for 2 hours. After conditioning, the ripcord will split the inner sheath without snapping

## Marking

The following print is applied at 1-meter intervals:

- Supplier: RADIUS
- Product Description (e.g 3 x 10/8mm + 3 x 5/3.5mm)
- Batch Number
- Meter Count
- Line Number

Customer specific print is optional

## Packing & Delivery

Available in various drum lengths typically 2000m. Drum lengths to be agreed at the time of order.