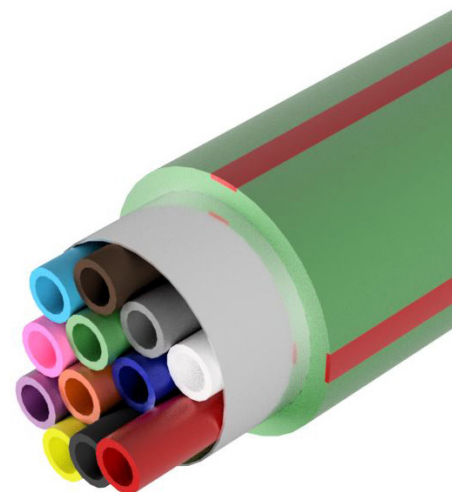


Microduct Assembly

Direct Install 12 way 5/3.5mm
with Aluminium
Virgin Media

VM SKU 10015404/10015403/10015402
(2000m) (1000m) (500m)



Description

Direct Install assembly consisting of 12x5/3.5mm MicroGlide® low friction tubes surrounded by an aluminium moisture barrier and a polyethylene sheath.

This assembly is suitable for installation within an existing duct.

Primary Tube

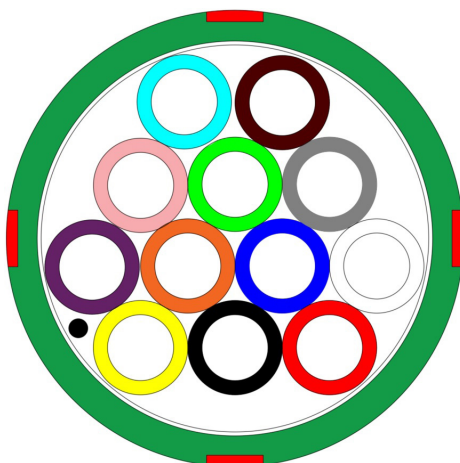
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall as standard
- Solid colour tubes
- Colour and/or Number coded for ease of identification

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	75	90	16	TS_MDT_5-3.5mm_HDPE

Assembly

- Configuration: 12 way
- Outer sheath: polyethylene
- Outer sheath colour: green with 4 x red stripes
- Aluminium layer: acts as a moisture barrier
- Ripcord: for removal of outer sheath

Configuration	O.D. Nominal (mm)	Weight (g/m)	Bend Radius (mm)	Max Tensile (N)
12	23.9	254	300	1900



Schematic drawing, not to scale

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Test

Test	Test Standard	Requirement
Tensile Performance	IEC 60794-1-2-E1	1900N, 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
Aluminium peel test	Radius Inhouse	>20N per 25mm

Marking

The following print is applied at 1-meter intervals:

- PROPERTY OF VIRGIN MEDIA
- 12 way x5/3.5mm
- Direct Install
- Batch Number
- Meter Count
- Line Number

Packing

Duct will be shipped on metal or wooden drums. Assembly end will be capped off.

Delivery Lengths

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

	2000m	1000m	500m
Product code	UU0651	UU0650	UU0649