

Microduct

5/3.5mm HDPE UV Resistant MicroGlide® Virgin Media

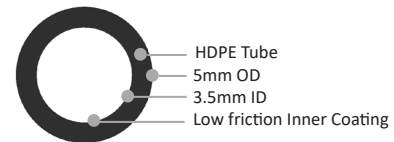
VM SKU 10015416



Description

MicroGlide® direct bury polyethylene tubing providing pathway for mini fibre optic cables.

With permanent low friction solid inner lining for optimised blowing distances.



Schematic drawing, not to scale

Dimensions & Material

Radius Product Code	O.D/I.D Nominal (mm)	O.D Min-Max (mm)	Wall Min- Max (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Long term Tensile (N)	Max Short term Tensile (N)	Ultimate Tensile* (N)	Max Pressure (bar)
TX1434	5/3.5	5.0 - 5.1	0.65 - 0.80	9.3	75	90	110	140	16

* at 20°C, 100mm/min

Material	Extruded from 100% prime grade virgin HDPE (High Density Polyethylene) in accordance with ISO1872-1 (ISO1872-2) Class N, UV Resistant
Inner Wall	Smooth wall as standard
Low friction	Permanent co-extruded low friction internal coating with coefficient of friction typically less than or equal to 0.09
Colour	Solid black
Operating Temperatures	Transport, Installation and Service -20°C to +60°C Operation (Blowing) -5°C to +35°C
Ovality	3% production 5% on drum
UV Stability	Antioxidant Content: 2% - BS2782-434D Carbon Black: 2% - BS2782-452B

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Tests

Test	Test Standard	Requirement
Tensile Performance	IEC 60794-1-2-E1	90N, 10 min, v=50mm/min
Abrasion	IEC 60794-1-2-E2B	4N, 100 cycles
Crush	IEC 60794-1-2-E3	500N, 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	1J (rec. 1h)
Torsion	IEC 60794-1-2-E7	10 cycles
Bend & Repeated Bend	IEC 60794-1-21-E11 & E6	D= 40 x OD = 200mm, 25 cycles D= 40 x OD = 200mm, 3 turns Bend radius ≤20 x OD
Kink	IEC 60794-1-2-E10	D= 20 x OD = 100mm
Pressure	IEC 60794-1-22 - F13	2.5xPressure=40bar, 0.5h, 20 °C 1.3xPressure=21bar, 24h, 40 °C
Friction Properties & Lubrication	Radius Inhouse	1.5m of tube is secured with 450° wrap around a 300mm mandrel with one end of the tube hanging downwards. The other end pointing horizontally towards the tensile testing machine. A N°5 ripcord is installed through the tube and connected to a 200g weight. The twine shall be pulled at 1000mm/min and travel a minimum of 100mm. The average force of 2 pulls shall be recorded to give a coefficient of friction less than 0.09.

Product is compliant with IEC 60794-5-10

Marking

The following print (Inkjet) is applied at 1-meter intervals:

- PROPERTY OF VIRGIN MEDIA
- Radius
- 5/3.5mm
- UV
- Batch Number
- Line Number
- Meter Count

Packing

Microduct will be shipped on disposable wooden drums. Duct end will be capped off.

Delivery Lengths

500m drum length.