



# Microduct

## Direct Install MicroGlide®/MiniGlide®

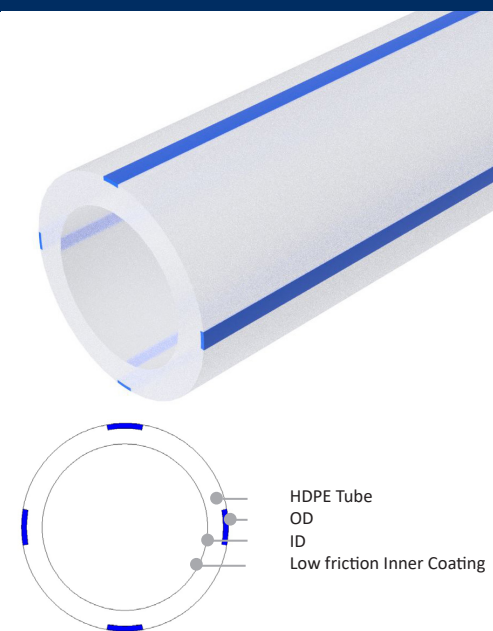
### Description

A polyethylene microduct from our MiniGlide® and MicroGlide® range providing pathway for mini fibre optic cables. These microducts are suitable for Direct Installation into another duct and should not be used for Direct Burial.

Features a permanent low friction solid inner lining for optimised blowing distances.

Can be supplied as single loose tubes or as sheathed assemblies of various configurations.

Option to supply with rodent repellent materials.



Schematic drawing, not to scale

### Dimensions & Material

	O.D Nominal (mm)	I.D Nominal (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Installation Tensile (N)
MicroGlide®	3.0	2.1	3.6	45	32
	4.0	2.7	6.3	60	60
	5.0	3.5	9.3	75	90
MiniGlide®	6.0	4.0	15.0	90	160
	7.0	5.5	13.0	105	130
	8.0	6.0	19.9	120	200
	10.0	8.0	26.4	150	300
	12.0	9.0	45.0	180	520
	12.0	10.0	35.8	180	400
	14.0	11.0	69.0	210	620
	14.0	12.0	39.9	210	420
	16.0	13.0	63.2	240	685

<b>Material</b>	Extruded from 100% prime grade virgin HDPE (High Density Polyethylene) in accordance with ISO1872-1 (ISO1872-2) Class N
<b>Inner Wall</b>	Smooth wall as standard - ribbed optional
<b>Low friction</b>	Permanent co-extruded low friction internal coating with coefficient of friction typically less than or equal to 0.09
<b>Colour</b>	Solid or translucent colours allowing fibre visibility Stripe option available
<b>Operating Temperatures</b>	Transport, Installation and Service -20°C to +60°C Operation (Blowing) -5°C to +35°C
<b>Ovality</b>	3% production 5% on drum

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### Tests

Test	Test Standard	Requirement
Tensile Performance	IEC 60794-1-2-E1	1 x W, 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, 25 cycles D= 40 x OD, 3 turns Bend radius ≤20 x OD
Kink	IEC 60794-1-2-E10	D= 20 x OD
Pressure	IEC 60794-1-22 - F13	2.5xPressure Rating, 0.5h, 20 °C 1.3xPressure Rating, 24h, 40 °C
Friction Properties & Lubrication	Radius Inhouse	Specified length of tube is secured with 450° wrap around a suitable size mandrel with one end of the tube hanging downwards. The other end pointing horizontally towards the tensile testing machine. A rope is installed through the tube and connected to a specified weight. The rope 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.

### Marking

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

- RADIUS
- Product Description (e.g OD/ID mm)
- Batch Number
- Meter Count
- Line Number

Customer specific print is optional

### Packing

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

### Delivery Lengths

Available in various drum lengths.

Drum lengths to be agreed at the time of order.