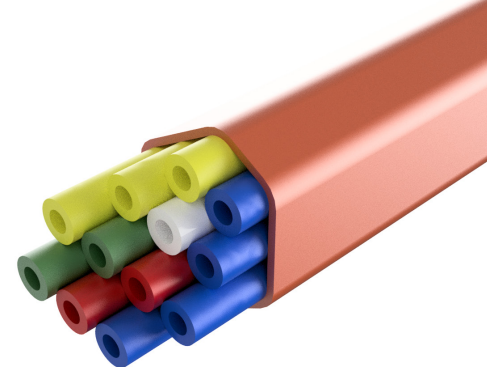


# Microduct Assembly

4/2.1mm  
Direct Bury



## Description

Direct Bury metal-free assembly consisting of a specified number of 4/2.1mm MicroGlide® low friction tubes surrounded with a thin polyethylene sheath.

This assembly is suitable for direct burial applications.

## Primary Tube

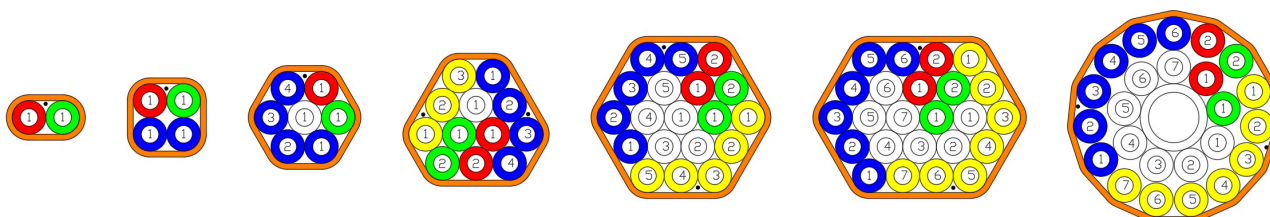
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall as standard - ribbed inner wall optional
- Solid or translucent tubes allowing fibre visibility
- Colour and/or Number coded for ease of identification

O.D./I.D Nominal (mm)	O.D (mm)	Wall Min-Max (mm)	Bend Radius (mm)	Max Tensile (N)	Max Pressure (bar)	Reference
4/2.1	4.0-4.1	0.93-1.02	60	83	16	TS_MDT_4-2.1mm_HDPE
8/6	8.0-8.1	0.9-1.0	120	200	12	TS_MDT_8-6mm_HDPE

## Assembly

- Configuration: 2,4,7,12,19,24,24+1 way
- Outer sheath colour: orange or other
- Ripcord: for removal of outer sheath

Configuration	O.D. Nominal (mm)	Weight (g/m)	Bend Radius (mm)	Max Tensile (N)
2	9.4 x 5.4	32	85	170
4	11.1 x 9.4	55	145	290
7	13.4 x 12.3	85	185	450
12	17.6 x 15.8	136	240	720
19	19.3 x 21.4	203	290	1080
24	19.3 x 25.4	252	290	1340
24+1	25.4	277	380	1470



Schematic drawing, not to scale

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## Test

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	2000 N shall be applied for 60 seconds, then removed. There shall be no splitting nor permanent damage. Any permanent residual deformation shall not exceed 15%.
Impact	IEC 60794-1-2-E4	15J (rec 1h.)
Bend Performance & Repeated bend	IEC 60794-1-2-E6 & E11	D= 40 x OD 25 cycles D= 40 x OD 3 turn Bend radius $\leq$ 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 7 way 4/2.1mm)
- Batch Number
- Meter Count
- Line Number

Customer specific print is optional

## Packing

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

## Delivery Lengths

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