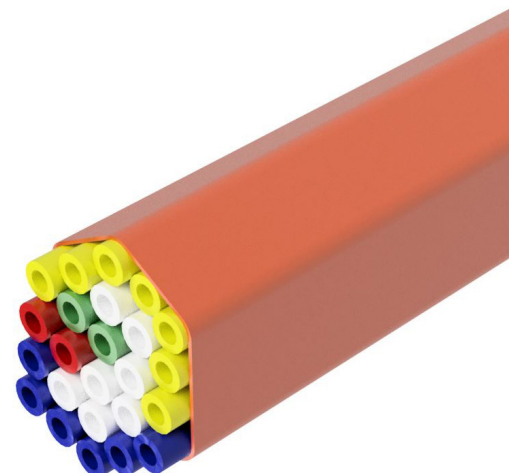




Microduct Assembly

Direct Bury 7/4mm



Description

Direct Bury metal-free assembly consisting of a specified number of 7/4mm MiniGlide® low friction tubes surrounded with a thin polyethylene sheath.

This assembly is suitable for direct burial applications.

Primary Tube

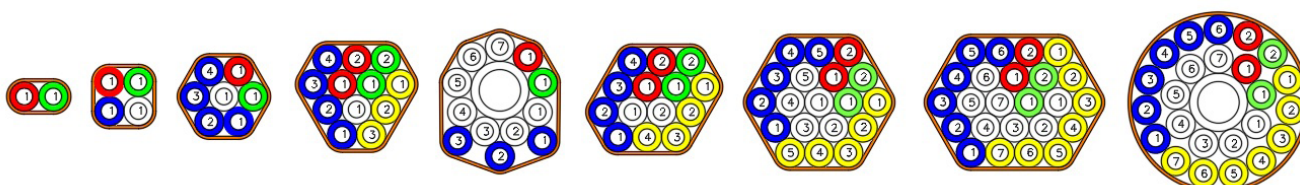
- Made from polyethylene material with low friction inner lining to optimise blowing distances
- Smooth inner wall as standard - ribbed inner wall optional
- Solid or translucent tubes allowing fibre visibility
- Colour and/or Number coded for ease of identification

O.D./I.D Nominal (mm)	O.D (mm)	Wall Min-Max (mm)	Bend Radius (mm)	Max Tensile (N)	Max Pressure (bar)	Reference
14/10	13.9-14.1	1.80-2.05	210	1000	16	TS_MDT_14-10mm_HDPE
7/4	6.9-7.1	1.4-1.55	105	235	16	TS_MDT_7-4mm_HDPE

Assembly

- Configuration: 2,4,7,12,12+1,14,19,24,24+1 way
- Outer sheath: polyethylene
- 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	15.4 x 8.4	74	130	390
4	18.3 x 15.4	135	235	700
7	22.4 x 20.5	214	310	1140
12	29.5x 26.7	353	400	1860
12+1	28.9 x 34.8	465	440	2240
14	33.6 x 26.6	403	400	2140
19	36.4 x 32.7	534	495	2840
24	43.5 x 32.7	663	495	3540
24+1	43.5	738	650	3960



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, 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	15J (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 \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 7/4mm)
- 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 500m, 1000m and 2000m depending on product configuration.
Drum lengths to be agreed at the time of order.