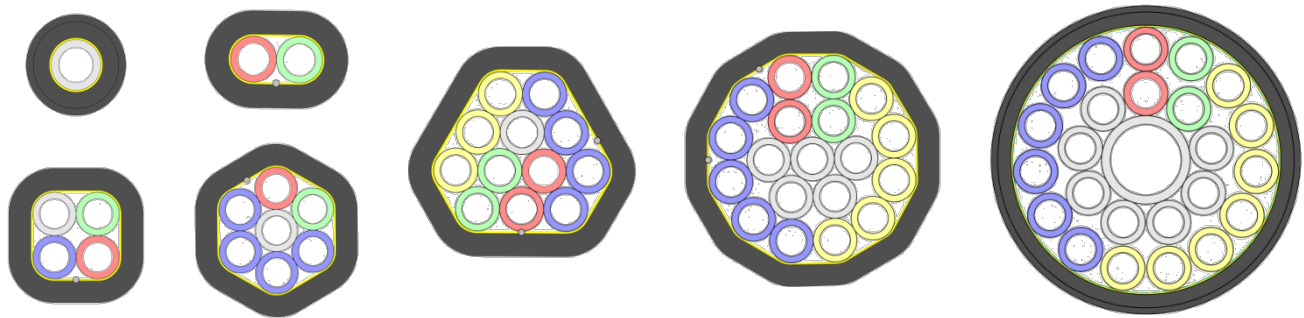


# fibreflow™ Blown Fibre Generic data

## DIT metal-free 5mm



### GENERIC PRODUCT DESCRIPTION:

Assemblies of 5mm PE microducts (m/d) to specification MHT 380, each with low friction performance. Each assembly (tube bundle) is surrounded by water activated tape. Over the bundle is an inner sheath of nylon 11/12 which gives mechanical and chemical protection against attack by termites and ants. Over the sheath is a layer of medium density polyethylene.

### APPROPRIATE FIBRE TYPES:

Any suitable sized Emtelle fibre unit: These 5mm bundles will accommodate all FU counts: 2FU, 4FU, 8FU and 12FU.

### GENERIC DETAILS: MICRODUCTS (at 20°C):

Primary m/d outer diameter, nom	mm	<b>5.0</b>
Primary m/d inner diameter, nom	mm	3.5
primary m/d - mass, nominal	g/m	9.3
Min bend radius of primary m/d*	mm	50
Max pull tension, single m/d	N (kg)	70 (7)
centre m/d of 24-way inner diam, nom	mm	<b>10</b>
centre m/d of 24-way outer diam, nom	mm	8
centre m/d of 24-way – mass, nom	g/m	27
Min bend radius of single centre m/d*	mm	120
Max pull tension of single centre m/d	N (kg)	200 (20)

- \*This radius relates to the m/d capability only, and does not indicate a suitable radius for blowing FU.
- All m/d sizes are compatible with designated connectors, 5mm
- Max air pressure for blowing, all m/ds: 15bar.
- Storage of unprotected primary m/ds: Indoors and well shielded from daylight.

**PE SHEATHS:**

- Outer PE sheath shall be light-stabilised and coloured black.

**PRODUCT-SPECIFIC DETAILS:**

	<b>5mm</b>			
type	OD nom mm	Mass nom g/m	Min Bend Rad mm*	Max Pull force N
<b>1DITmf</b>	8.4	43	110	220
<b>2DITmf</b>	8.4/13.4	69	110	340
<b>4DITmf</b>	15.5	102	225	520
<b>7DITmf</b>	18.4	146	250	720
<b>12DITmf</b>	23.8	217	325	1000
<b>19DITmf</b>	27.8	305	375	1500
<b>24DITmf</b>	33.4	407	550	2000

**2. Bend Radius\*:**

These radius values relate only to the physical cable performance, not to recommended blowing radii. See Installation manual for blowing advice.

**TUBE AND ASSEMBLY TESTS:**

- |                      |                                |                          |
|----------------------|--------------------------------|--------------------------|
| 1. Tensile test      | test method IEC 60794-1-2-E1:  | Procedure to IEC 60794-5 |
| 2. Crush test:       | test method IEC 60794-1-2-E3:  | Procedure to IEC 60794-5 |
| 3. Impact test:      | test method IEC 60794-1-2-E4:  | Procedure to IEC 60794-5 |
| 4. Kink test:        | test method IEC 60794-1-2-E10: | Procedure to IEC 60794-5 |
| 5. Flexibility test: | test method IEC 60794-1-2-E11: | Procedure to IEC 60794-5 |

*Note 1: Diameters and thicknesses are measured to the nearest 0.1mm.*

*Note 2: 'nominal' data is based on middle-spec, and is for information only, not for inspection purposes.*

*Note 3: Sketches are for information purposes only, and should not be used for inspection.*

*Note 4: When interpreting performance data and installing m/ds, bundles, or fibre units, it is assumed that the user has been trained by Emtelle.*

*Note 5: All data is believed to be accurate but users must establish the suitability of these products for their own applications.*

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