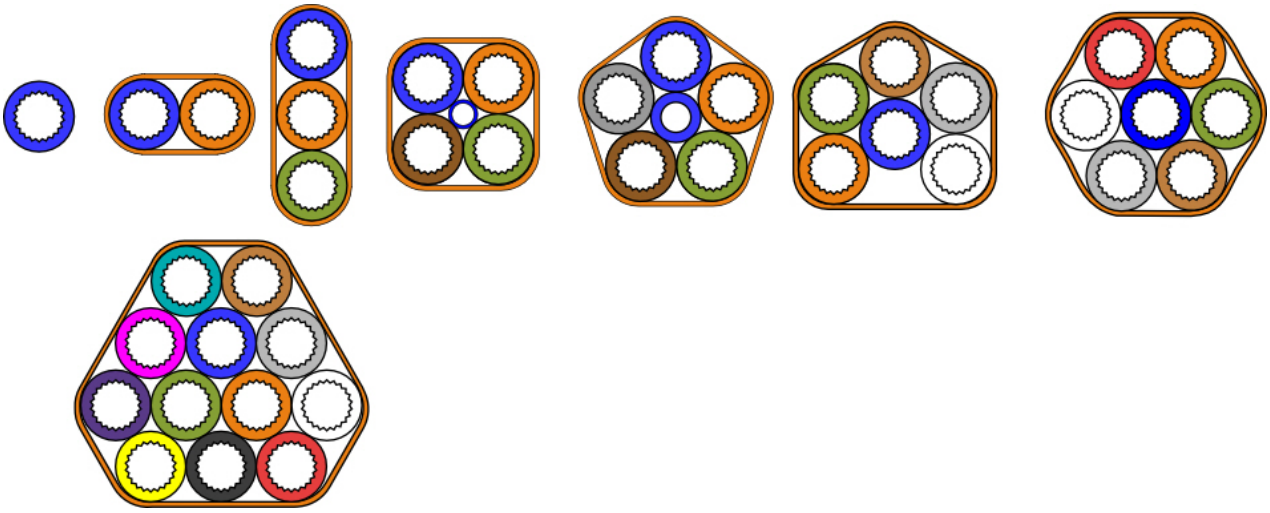
fibreflow **Blown Fibre Generic Specification**
DBmf Bundles (12/8)



GENERIC PRODUCT DESCRIPTION: Assemblies of strong 12/8 polyethylene (PE) microducts (m/d), each with low friction performance. These m/ds will accept all blown fibre products that can be installed into the more traditional 10/8 m/ds. The 4-way has a 5/3.5 m/d in the centre. The 5-way has a strong 8/3.5 m/d in the centre.
Each assembly (bundle) is surrounded by a thin flexible PE sheath. These strong metal-free bundles are designed for direct burial in suitably prepared ground. They can normally be used to create a fibre 'drop' link to a building. The narrow bundles may also be used in slot-cut deployments (eg 15mm slot).

GENERIC DETAILS: SINGLE MICRODUCT (at 20°C):

Primary m/d outer diameter, nom	mm	12.0	8.0
Primary m/d inner diameter, nom	mm	8.0	3.5
primary m/d - mass, nominal	g/m	60	38
Min bend radius of primary m/d*	mm	120	80
Max pull tension, single m/d	N (kg)	400 (40)	250 (25)
Crush load at 10% compression approx	kN (kg)	1.6 (160)	1.3 (130)

(8/3.5 is the centre m/d in the 5-way)

*This radius relates to the m/d capability only, and does not indicate a suitable radius for blowing FU.

1. These m/ds are compatible with designated 12mm push-fit connectors.
2. Max air pressure for blowing: 15bar.
3. Storage of unprotected primary m/ds: Indoors and well shielded from daylight.

PRODUCT-SPECIFIC DETAILS:

type	OD nom, mm	Mass nom, g/m	Min Bend Rad mm	Max* Pull force N / kg
2DBmf	14 x 26	184	220	900 / 90
3DBmf	14 x 38	267	220	1400 / 140
4DBmf	31.0	353	440	1800 / 180
5DBmf	34.4	435	600	2400 / 240
6DBmf	38.0	466	600	2600 / 260
7DBmf	38.0	531	650	2800 / 280
12DBmf	51.0	862	700	4800 / 480

* After applying pulling tensions, allow time for the pulled product to relax. See Installation manual.

Sheath thickness: 1mm nominal
Sheath Removal: Use sheath removal tools

TUBE AND ASSEMBLY TESTS:

1. Crush test:	test method IEC 60794-1-2-E3:	Procedure to IEC 60794-5
2. Impact test:	test method IEC 60794-1-2-E4:	Procedure to IEC 60794-5
3. Flexibility test:	test method IEC 60794-1-2-E11:	Procedure to IEC 60794-5
4. Repeated bend:	test method IEC60794-1-2-E6:	Procedure to IEC 60794-5
5. Kink test:	test method IEC 60794-1-2-E10:	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 tubes, 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

Note 6: Users must establish the suitability of these products for their own applications.