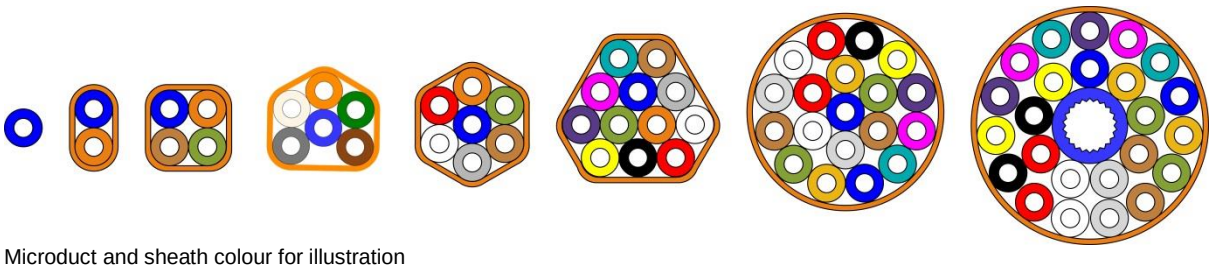
FibreFlow™ Generic Specification
DBmf Microducts and Bundles (7/3.5 & 7/4)



Microduct and sheath colour for illustration

GENERIC PRODUCT DESCRIPTION: Assemblies of strong 7mm 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 5/3.5 m/ds. There is a choice between 7/3.5 and 7/4.
Each 24-way has a strong 14/10 m/d in the centre. Each assembly (bundle) is surrounded by a thin strong PE sheath. These strong metal-free bundles are designed for direct burial in suitably prepared ground. Burial of the individual m/ds must be in ground free from hard, heavy or sharp material.

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

Primary m/d outer diameter, nom	mm	7.0	7.0	14
Primary m/d inner diameter, nom	mm	3.5	4.0	10
Primary m/d - mass, nominal	g/m	28	25	72
Min bend radius of primary m/d*	mm	100	70	210
Max pull tension, single m/d	kg / N	20 / 200	39 / 390	50 / 500
Crush load (approx) at 10% compression	kg / N	180 / 1800	110 / 1100	100 / 1000

(14/10 is the centre m/d in the 24-way)

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

1. These m/ds are compatible with designated 7mm push-fit connectors.
2. Max air pressure for blowing: 20bar.
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 tension Kg / N
7 / 3.5	2DBmf	9.2 x 16.2	97	160	65 / 650
	4DBmf	19.1	170	330	120 / 1200
	6DBmf	23.2	234	400	150 / 1500
	7DBmf	23.2	266	400	180 / 1800
	12DBmf	30.7	429	530	300 / 3000
	19DBmf	36.2	640	620	450 / 4500
	24DBmf	44.2	860	750	600 / 6000
7 / 4	2DBmf	9.2 x 16.2	91	160	60 / 600
	4DBmf	19.1	159	330	110 / 1100
	6DBmf	23.2	217	400	140 / 1400
	7DBmf	23.2	247	400	170 / 1700
	12DBmf	30.7	395	530	280 / 2800
	19DBmf	36.2	587	620	410 / 4100
	24DBmf	44.2	793	750	560 / 5600

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

Sheath thickness: 1.1mm nominal
Sheath Removal: Use sheath removal tools. Take care not to damage m/d.

Mechanical Performance Test Compliance

1.	Tensile	IEC 60794-1-2 Method E1	Procedure to IEC 60794-5
2.	Crush	IEC 60794-1-2 Method E3	Procedure to IEC 60794-5
3.	Impact	IEC 60794-1-2 Method E4	Procedure to IEC 60794-5
4.	Kink	IEC 60794-1-2 Method E10	Procedure to IEC 60794-5
5.	Bend	IEC 60794-1-2 Method E11	Procedure to IEC 60794-5