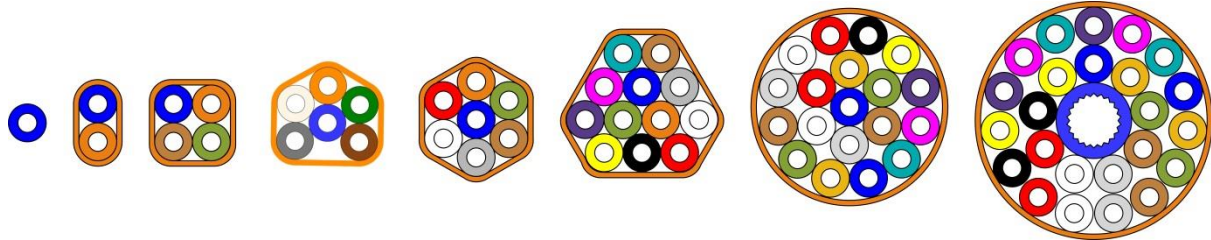


FibreFlow™ Generic Specification

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.

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Entelle can take no responsibility for actions taken based on the information contained in this document. Entelle reserves the right to make changes to this document without notice. All sales of product are subject to Entelle's terms and conditions of sale only, which can be found on Entelle's website.

This document is protected by copyright (c) Entelle UK Limited [2015]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Entelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers.

www.entelle.com

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

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emtelle can take no responsibility for actions taken based on the information contained in this document. Emtelle reserves the right to make changes to this document without notice. All sales of product are subject to Emtelle's terms and conditions of sale only, which can be found on Emtelle's website.

This document is protected by copyright (c) Emtelle UK Limited [2015]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emtelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers.

www.emtelle.com