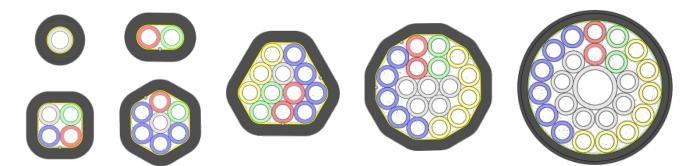


Issue A 21stNovember 2014 Page 1 of 2

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	5.0
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	10
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.
- 2. All m/d sizes are compatible with designated connectors, 5mm
- 3. Max air pressure for blowing, all m/ds: 15bar.
- 4. Storage of unprotected primary m/ds: Indoors and well shielded from daylight.

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 [2014]. 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.



Issue A 21stNovember 2014 Page 2 of 2

PE SHEATHS:

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

PRODUCT-SPECIFIC DETAILS:

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

 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
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.

CPform2

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 [2014]. 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.