



Emtelle UK Ltd.
 Haughhead
 Hawick TD9 8LF
 United Kingdom

info@emtelle.com
 emtelle.com

Product Datasheet MHT 2812
Generic Specification DBmf Thickwall



Product Description

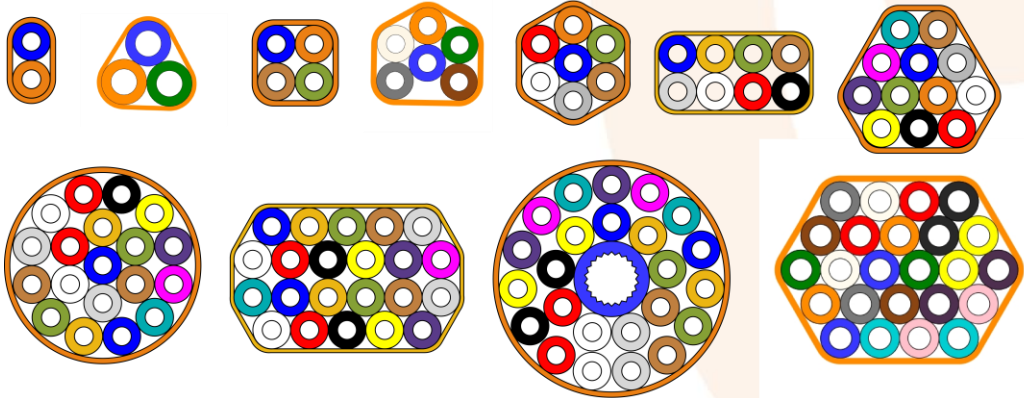
Assemblies of strong polyethylene (PE) microducts (m/d), each with low friction performance. These m/ds will accept all blown fibre products that can be installed. Each assembly (bundle) is surrounded by a thin strong PE sheath. These strong metal-free bundles are designed for direct burial in suitably prepared ground.

Product Benefits

Microducts are tested according to IEC 60794-5	Blowing track: up to 2000m, route and fibre/cable dependent	Em-Liner for Low Friction and best blowing results	UV-Protection up to 2 years in EU	Pressure tight up to 15 bar

Application and Design

Inner surface:
 Smooth or ribbed + Em-Liner



Colour identification of single ducts:
 Images above are for illustration purposes only. Sheath and microduct colours to be selected at product set up, translucent with stripes or uni-coloured available.

DIN VDE0888

1	2	3	4	5	6	7	8	9	10	11	12
Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink
13	14	15	16	17	18	19	20	21	22	23	24
Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink

EIA 598

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Other colours upon request

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 Group [2024]. 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

Generic Details: Microduct Bundle

Material	Polyethylene (normally orange)
Wall thickness	0.7mm nominal
Sheath removal	Using appropriate sheath cutting tool
Number single ducts	2-24

Product-Specific Details

Type	Outer Diameter	Mass	Max. Pull Tension (Installation)	Min. Bend Radius Factor xD
7/4mm				
2-WAY DBmf	8.4 x 15.4 mm	75 g/m	1.2 kN / 120 kg	15
4-WAY DBmf	18.3 mm	134 g/m	2.0 kN / 200 kg	15
6-WAY DBmf	22.4 mm	191 g/m	3.0 kN / 300 kg	15
7-WAY DBmf	22.4 mm	217 g/m	3.5 kN / 350 kg	15
8-WAY DBmf	15.4 x 29.4 mm	239 g/m	3.75 kN / 375 kg	17
*8+1 Way DBmf	27.4mm	317 g/m	5.00 kN / 500kg	15
12-WAY DBmf	29.8 mm	360 g/m	5.5 kN / 550 kg	15
19-WAY DBmf	35.6 mm	548 g/m	8.5 kN / 850 kg	17
22-WAY DBmf	44.1mm	621 g/m	10kN / 1000 kg	17
**22+1-Way DBmf	41.3 mm	694 g/m	11kN / 1100 kg	18
***24+1-WAY DBmf	43.4 mm	755 g/m	12 kN / 1200 kg	17
24-WAYDBmf 'HEX'	43.4 mm	679 g/m	10.5 kN / 1050 kg	17
7/3.5mm				
2-WAY DBmf	8.4 x 15.4 mm	81 g/m	1.3 kN /130 kg	15
4-WAY DBmf	18.3 mm	145 g/m	2.25 kN / 225 kg	15
6-WAY DBmf	22.4 mm	208 g/m	3.25 kN / 325 kg	15
7-WAY DBmf	22.4 mm	237 g/m	3.75 kN / 375 kg	15
12-WAY DBmf	29.8 mm	389 g/m	6.0 kN / 600 kg	15
19-WAY DBmf	35.6 mm	601 g/m	9.5 kN / 950 kg	17
24+1-WAY DBmf	43.4 mm	822 g/m	13.0 kN / 1300 kg	17
24-WAYDBmf 'HEX'	43.4 mm	753g/m	12.0 kN / 1200 kg	17
10/6mm				
2-WAY DBmf	11.4 x 21.4 mm	132 g/m	2.0 kN / 200 kg	15
4-WAY DBmf	25.5 mm	248 g/m	4.0 kN / 400 kg	15
5-WAY DBmf	28.4 mm	310 g/m	5.0 kN / 500 kg	15
6-WAY DBmf	31.4 mm	351 g/m	5.5 kN / 550 kg	17
7-WAY DBmf	31.4 mm	402 g/m	6 kN / 600 kg	17
8-WAY DBmf	38.7 mm	463 g/m	8 kN / 800 kg	17
12-WAY DBmf	42.0 mm	658 g/m	10.5 kN / 1050 kg	17
14-WAY DBmf	45.3 mm	760 g/m	12 kN / 1200 kg	19
19-WAY DBmf	50.3 mm	1013 g/m	16.0 kN / 1600 kg	19
24-WAY DBmf 'HEX'	61.4 mm	1277 g/m	20.5 kN / 2050 kg	19

*8+1 Way (7/4mm + 12/8mm)
 **22+1 Way (7/4mm + 12/8mm)
 ***24+1-way (7mm + 14/10)

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 Group [2024]. 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

12/8mm				
2-WAY DBmf	13.4 x 25.4 mm	163 g/m	2.5 kN / 250 kg	15
3-WAY DBmf	27.3 mm	231 g/m	3.0 kN / 300 kg	15
4-WAY DBmf	30.4 mm	300 g/m	4.75 kN / 475 kg	17
5-WAY DBmf	33.8 mm	405 g/m	6.5 kN / 650 kg	17
7-WAY DBmf	37.4 mm	494 g/m	8.0 kN / 800 kg	17
12-WAY DBmf	50.1 mm	818 g/m	13.0 kN / 1300 kg	19
14/10mm				
2-WAY DBmf	15.4 x 29.4 mm	192 g/m	1.1 kN / 110 kg	15
3-WAY DBmf	31.6 mm	274 g/m	4.5 kN / 450 kg	17
4-WAY DBmf	35.2 mm	356 g/m	5.5 kN / 550 kg	17
5-WAY DBmf	39.5 mm	470g/m	7/5kN / 750 kg	17
6-WAY DBmf	43.4 mm	516 g/m	8.0 kN / 800 kg	17
7-WAY DBmf	43.4 mm	590 g/m	9.5 kN / 950 kg	17
12-WAY DBmf	58.2 mm	978 g/m	16.0 kN / 1600 kg	20
16/12mm				
2-WAY DBmf	17.4 x 33.4 mm	223 g/m	1.3 kN / 130 kg	17
3-WAY DBmf	35.9 mm	321 g/m	5 kN / 500 kg	17
4-WAY DBmf	40.0 mm	416 g/m	6.5 kN / 650 kg	17
5-WAY DBmf	45.4 mm	542 g/m	8.5 kN / 850 kg	19
6-WAY DBmf	49.4 mm	663 g/m	10.5 kN / 1050 kg	19
7-WAY DBmf	49.4 mm	691 g/m	12.0 kN / 1100 kg	19
12-WAY DBmf	66.3 mm	1145 g/m	18.5 kN / 1850 kg	19
20/15mm				
2-WAY DBmf	21.4 x 41.4 mm	332 g/m	5.0 kN / 500 kg	18
3-WAY DBmf	44.5 mm	447 g/m	7.5 kN / 750 kg	17
4-WAY DBmf	49.7 mm	621 g/m	10.0 kN / 1000 kg	19
5-WAY DBmf	55.4 mm	837 g/m	13.5 kN / 1350 kg	19
6-WAY DBmf	61.4 g/m	911 g/m	14.5 kN / 1450 kg	19

Operating Parameters

Installation temperature	-20°C...+40°C
Transportation and storage temperature	-40°C...+60°C
Installation + Blowing ideal	+5°C...+20°C

Testing

Tensile	IEC 60794-1-2-Method E1	Procedure to IEC 60794-5
Crush	IEC 60794-1-2-Method E3	Procedure to IEC 60794-5
Impact	IEC 60794-1-2-Method E4	Procedure to IEC 60794-5
Kink	IEC 60794-1-2-Method E10	Procedure to IEC 60794-5
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 Group [2024]. 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