



Emtelle UK Ltd.
 Haughhead
 Hawick TD9 8LF
 United Kingdom

info@emtelle.com
 emtelle.com

Product Datasheet MHT 2804 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. Burial of the individual m/ds must be in ground free from hard, heavy or sharp material.

Product Benefits



Microducts are tested according to IEC 60794-5

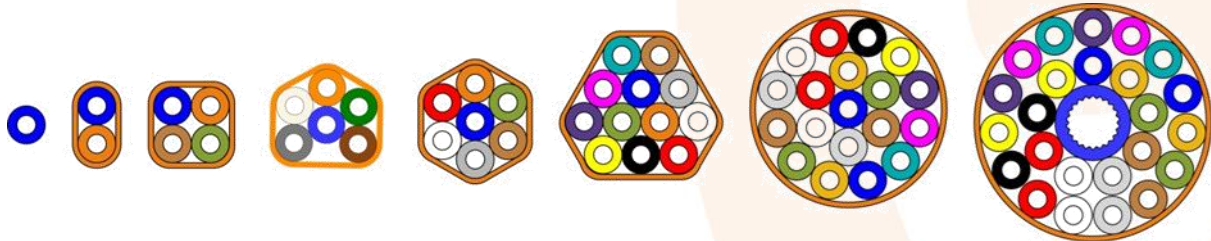
Blowing track: 2000 m
 Performance confirmed

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:

Translucent with stripes or uni coloured possible

- | | | | | | | | | | | | | | | |
|------|--------|-------|-------|-------|-------|-----|-------|--------|--------|------|------|------|--------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | | | | | | |
| Blue | Orange | Green | Brown | Slate | White | Red | Black | Yellow | Violet | Rose | Aqua | Blue | Orange | Green |

Other colours upon request

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Generic Details: Microduct Bundle

| | |
|---------------------|---------------------------------------|
| Material | Polyethylene (normally orange) |
| Wall thickness | 1.1mm nominal |
| Sheath removal | Using appropriate sheath cutting tool |
| Number single ducts | 1-24 |

Product-Specific Details

| Type | Outer Diameter | Mass | Max. Pull Tension (Installation) | Min. Bend Radius | Generic Specification |
|----------------|----------------|----------|----------------------------------|------------------|-----------------------|
| 7/3.5mm | | | | | |
| 1-WAY DBmf | 7 mm | 28 g/m | 0.39 kN / 39 kg | 100 mm | MHT2309 |
| 2-WAY DBmf | 9.2 x 16.2 mm | 97 g/m | 1.1 kN / 110 kg | 160 mm | MHT2309 |
| 4-WAY DBmf | 19.1 mm | 170 g/m | 2.5 kN / 250 kg | 330 mm | MHT2309 |
| 6-WAY DBmf | 23.2 mm | 234 g/m | 3.75 kN / 375 kg | 400 mm | MHT2309 |
| 7-WAY DBmf | 23.2 mm | 266 g/m | 3.25 kN / 325 kg | 400 mm | MHT2309 |
| 12-WAY DBmf | 30.7 mm | 429 g/m | 7.5 kN / 750 kg | 530 mm | MHT2309 |
| 19-WAY DBmf | 36.2 mm | 640 g/m | 11 kN / 1100 kg | 620 mm | MHT2309 |
| 24-WAY DBmf | 44.2 mm | 860 g/m | 14 kN / 1400 kg | 750 mm | MHT2309 |
| 7/4mm | | | | | |
| 1-WAY DBmf | 7 mm | 25 g/m | 0.35 kN / 35 kg | 100 mm | MHT2309 |
| 2-WAY DBmf | 9.2 x 16.2 mm | 91 g/m | 1.4 kN / 140 kg | 160 mm | MHT2309 |
| 4-WAY DBmf | 19.1 mm | 159 g/m | 2 kN / 200 kg | 330 mm | MHT2309 |
| 6-WAY DBmf | 23.2 mm | 217 g/m | 3.5 kN / 350 kg | 400 mm | MHT2309 |
| 7-WAY DBmf | 23.2 mm | 247 g/m | 3.75 kN / 375 kg | 400 mm | MHT2309 |
| 12-WAY DBmf | 30.7 mm | 395 g/m | 6 kN / 600 kg | 530 mm | MHT2309 |
| 19-WAY DBmf | 36.2 mm | 587 g/m | 9 kN / 900 kg | 620 mm | MHT2309 |
| 24-WAY DBmf | 44.2 mm | 793 g/m | 12 kN / 1200 kg | 75 mm | MHT2309 |
| 8/5mm | | | | | |
| 1-WAY DBmf | 8 mm | 29 g/m | 0.45 kN / 45 kg | 80 mm | MHT2700 |
| 2-WAY DBmf | 18.2 x 10.2 mm | 105 g/m | 1.7 kN / 170 kg | 153 mm | MHT2700 |
| 4-WAY DBmf | 21.5 mm | 181 g/m | 2.75 kN / 275 kg | 273 mm | MHT2700 |
| 6-WAY DBmf | 26.2 mm | 254 g/m | 4 kN / 400 kg | 393 mm | MHT2700 |
| 7-WAY DBmf | 26.2 mm | 285 g/m | 4.5 kN / 450 kg | 393 mm | MHT2700 |
| 12-WAY DBmf | 34.6 mm | 457 g/m | 7.0 kN / 700 kg | 588 mm | MHT2700 |
| 19-WAY DBmf | 41.3 mm | 687 g/m | 11 kN / 1100 kg | 743 mm | MHT2700 |
| 24-WAY DBmf | 50.2 mm | 947 g/m | 15 kN / 1500 kg | 953mm | MHT2700 |
| 10/6mm | | | | | |
| 1-WAY DBmf | 10 mm | 48 g/m | 0.7 kN / 70 kg | 120 mm | MHT1563 |
| 2-WAY DBmf | 12.2 x 22.2 mm | 153 g/m | 2.5 kN / 250 kg | 200 mm | MHT1563 |
| 3-WAY DBmf | 23.8 mm | 212 g/m | 3.25 kN / 325 kg | 350 mm | MHT1563 |
| 4-WAY DBmf | 26.3 mm | 277 g/m | 4.25 kN / 425 kg | 340 mm | MHT1563 |
| 5-WAY DBmf | 29.2 mm | 343 g/m | 5.5 kN / 550 kg | 450 mm | MHT1563 |
| 6-WAY DBmf | 32.2 mm | 384 g/m | 6 kN / 600 kg | 550 mm | MHT1563 |
| 7-WAY DBmf | 32.2 mm | 435 g/m | 7 kN / 700 kg | 550 mm | MHT1563 |
| 8-WAY DBmf | 38.7 mm | 463 g/m | 8 kN / 800 kg | 697 mm | MHT1563 |
| 12-WAY DBmf | 42.8 mm | 706 g/m | 11.5 kN / 1150 kg | 750 mm | MHT1563 |
| 14-WAY DBmf | 46.1 mm | 817 g/m | 13 kN / 1300 kg | 876 mm | MHT1563 |
| 19-WAY DBmf | 50.3 mm | 1024 g/m | 16.5 kN / 1650 kg | 956 mm | MHT1563 |
| 24-WAY DBmf | 62.2 mm | 1154 g/m | 21.5 kN / 2150 kg | 1080 mm | MHT1563 |

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| 12/8mm | | | | | |
|----------------|----------------|----------|-------------------|---------|---------|
| 1-WAY DBmf | 12 mm | 60 g/m | 0.9 kN / 90 kg | 120 mm | MHT1564 |
| 2-WAY DBmf | 14 x 26 mm | 184 g/m | 2.5 kN / 250 kg | 220 mm | MHT1564 |
| 3-WAY DBmf | 14 x 36 mm | 267 g/m | 4.25 kN / 425 kg | 220 mm | MHT1564 |
| 4-WAY DBmf | 31 mm | 353 g/m | 4.5 kN / 450 kg | 440 mm | MHT1564 |
| 5-WAY DBmf | 34.4 mm | 435 g/m | 6.5 kN / 650 kg | 600 mm | MHT1564 |
| 6-WAY DBmf | 38 mm | 466 g/m | 7.5 kN / 750 kg | 600 mm | MHT1564 |
| 7-WAY DBmf | 38 mm | 531 g/m | 8.5 kN / 850 kg | 650 mm | MHT1564 |
| 12-WAY DBmf | 51 mm | 862 g/m | 14 kN / 1400 kg | 700 mm | MHT1564 |
| 14/10mm | | | | | |
| 1-WAY DBmf | 14 mm | 73 g/m | 1.1 kN / 110 kg | 210 mm | MHT2308 |
| 2-WAY DBmf | 30 x 16 mm | 215 g/m | 4.25 kN / 425 kg | 240 mm | MHT2308 |
| 3-WAY DBmf | 44 x 16 mm | 314 g/m | 4.5 kN / 450 kg | 240 mm | MHT2308 |
| 4-WAY DBmf | 36 mm | 403 g/m | 6.5 kN / 650 kg | 500 mm | MHT2308 |
| 5-WAY DBmf | 40 mm | 507 g/m | 8 kN / 800 kg | 700 mm | MHT2308 |
| 6-WAY DBmf | 44 mm | 561 g/m | 9 kN / 900 kg | 750 mm | MHT2308 |
| 7-WAY DBmf | 44 mm | 631 g/m | 10.5 kN / 1050 kg | 750 mm | MHT2308 |
| 12-WAY DBmf | 59 mm | 1047 g/m | 17 kN / 1700 kg | 1180 mm | MHT2308 |
| 16/12mm | | | | | |
| 1-WAY DBmf | 16 mm | 84 g/m | 1.19 kN / 119 kg | 220 mm | MHT2432 |
| 2-WAY DBmf | 34.2 x 18.2 mm | 258 g/m | 4.25 kN / 425 kg | 240 mm | MHT2432 |
| 3-WAY DBmf | 50.2 x 18.2 mm | 363 g/m | 6 kN / 600 kg | 240 mm | MHT2432 |
| 4-WAY DBmf | 41.5 mm | 486 g/m | 6.5 kN / 650 kg | 570 mm | MHT2432 |
| 5-WAY DBmf | 46.2 mm | 603 g/m | 10 kN / 1000 kg | 770 mm | MHT2432 |
| 6-WAY DBmf | 50.2 mm | 663 g/m | 10.5 kN / 1050 kg | 850 mm | MHT2432 |
| 7-WAY DBmf | 50.2 mm | 746 g/m | 12 kN / 1200 kg | 850 mm | MHT2432 |
| 12-WAY DBmf | 67.1 mm | 1216 g/m | 20 kN / 2000 kg | 1273 mm | MHT2432 |

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 |

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