



## Product Datasheet MHT 2840

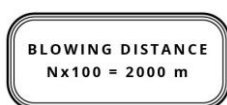
### Generic Specification 16/12 DBR (with tracer wire)



## Product Description

Assemblies of strong polyethylene (PE) microducts (m/d), each with low friction performance. These strong bundles are designed for direct burial in suitably prepared ground and contain a tracer wire for locating purposes.

## Product Benefits

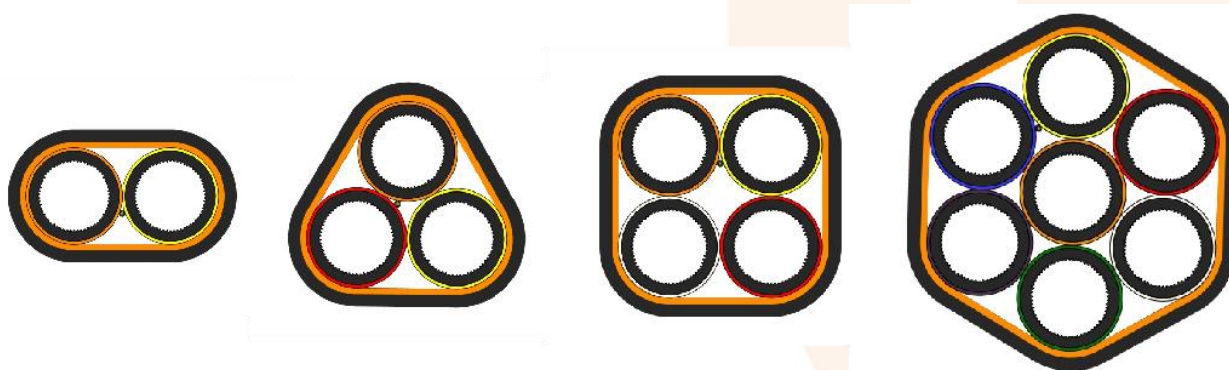


|  |   |  |                                   |                             |
|--|---|--|-----------------------------------|-----------------------------|
| Microducts are tested according to IEC 60794-5 | Blowing track: up to 2000m, route and fibre/cable dependent | Em-Liner for Low Friction and best 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.

Other colours upon request

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**Tracer wire\***

|                 |                   |
|-----------------|-------------------|
| Sheath material | PVC               |
| Details         | 0.63mm , 88ohm/km |

**Generic Details: Single Microduct**

|                |                   |
|----------------|-------------------|
| Material       | Polyethylene HDPE |
| Outer diameter | 16.0 nominal      |
| Inner diameter | 12.0 nom          |
| Mass, nominal  | 84 g/m            |

**Generic Details: Microduct Bundle**

|                        |                                       |
|------------------------|---------------------------------------|
| Inner sheath material  | Polypropylene                         |
| Inner sheath thickness | 1.0mm nominal                         |
| Outer sheath material  | Hi-UV Polyethylene                    |
| Outer sheath thickness | 2.0mm nominal                         |
| Sheath removal         | Using appropriate sheath cutting tool |
| Number single ducts    | 2-7                                   |

\*Other tracer wires are available and should be selected a product set up

**Product-Specific Details**

| Type           | Outer Diameter | Mass     | Max. Pull Tension<br>(Installation) | Min Bend<br>radius<br>factor xD |
|----------------|----------------|----------|-------------------------------------|---------------------------------|
| <b>16/12mm</b> |                |          |                                     |                                 |
| 2-WAY DBmf     | 22.0 x 38.0 mm | 428 g/m  | 3.25 kN / 325 kg                    | 17                              |
| 3-WAY DBmf     | 40.5 mm        | 555 g/m  | 4.25 kN / 425 kg                    | 17                              |
| 4-WAY DBmf     | 44.6 mm        | 686 g/m  | 5.5 kN / 550 kg                     | 17                              |
| 7-WAY DBmf     | 54.0 mm        | 1029 g/m | 8.0 kN / 800 kg                     | 20                              |

**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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