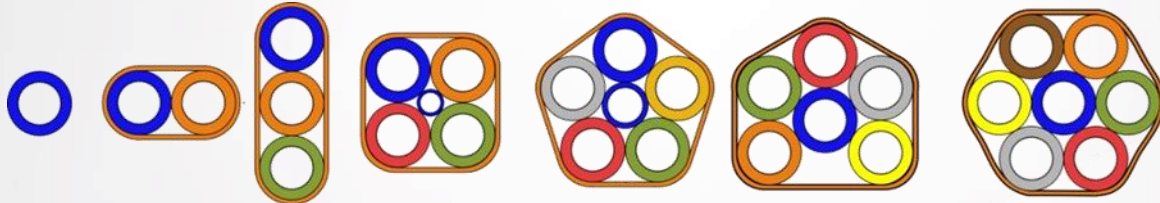




## Generic Specification DB metal-free (14/10)



### Product Description

Bundles of rugged 14mm PE microducts to specification MHT 1035, each with low friction performance suitable for fibre cable blowing. Each bundle is surrounded with a flexible sheath of halogen free PE. Each individual microduct and the bundles are designed for burial in suitably prepared ground. Each sheath is primarily to hold the bundle together, the microducts themselves having excellent physical resistance to the environment. Microduct colours may be specified at the time or order.

### Generic Details: Single Miniduct (at 20°C)

Primary m/d outer diameter	mm	14.0 ± 0.1 <small>note a</small>
Primary m/d, ribbed, inner diameter	mm	10.0 nom, 9.8 min
Primary m/d - mass, nominal	g/m	73
Min bend radius of primary m/d	mm	210 <small>note b</small>
Max pull tension, single m/d	N (kg)	500 (50)

Notes a) Measurement taken during manufacture at exit of haul-off

b) Min bend radius relates to the m/d capability only and does not indicate a suitable radius for blowing FU.

1. These m/ds are manufactured to a specification compatible with Emtelle recommended industry standard 14mm push-fit connectors for fibre optic networks.
2. Max air pressure for blowing: 15bar
3. The 4-way has a standard 6/4.5mm m/d in the centre.
4. The 5-way has a standard 10/8 m/d in the centre.
5. Storage of unprotected primary m/ds: Indoors and well shielded from daylight.

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## Product-Specific Details (all nominal)

type	OD nom	Mass, Nom, g/m	Min bend radius	Max pull tension*	Crush load N
single	14mm	73	210mm	500N	1000
2DBmf	30 x 16mm	215	240mm	1.2kN	1500
3DBmf	44 x 16mm	314	240mm	1.7kN	1700
4DBmf	36mm across corners	403	500mm	2kN	1500
5DBmf	40mm across corners	507	700mm	2.7kN	1500
6DBmf	44mm across corners	561	750mm	3kN	1700
7DBmf	44mm across corners	631	750mm	3.5kN	2000

\*After applying pulling tensions, allow time for the pulled product to relax. See instruction manuals

**Sheath Removal:** Longitudinal sheath strippers can be used to strip the sheath

**Radius for blowing:** Recommend 1m radius or more (blowing mini-cable)(No smaller than 0.5m radius)

### 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 |

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