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Product Datasheet MHT 1563

DBmf Bundles (10/6)

FibreFlow™

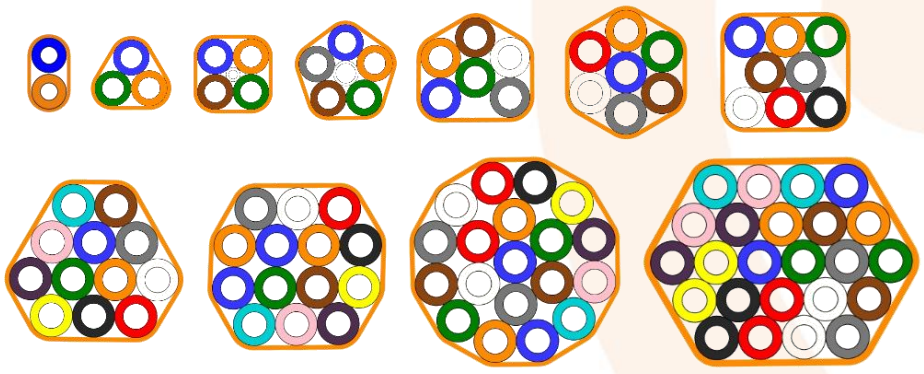
Product Description

Assemblies of 10/6 polyethylene (PE) microducts (m/d), each with low friction performance. These metal-free bundles are designed for direct burial in suitably prepared ground.

Product Benefits

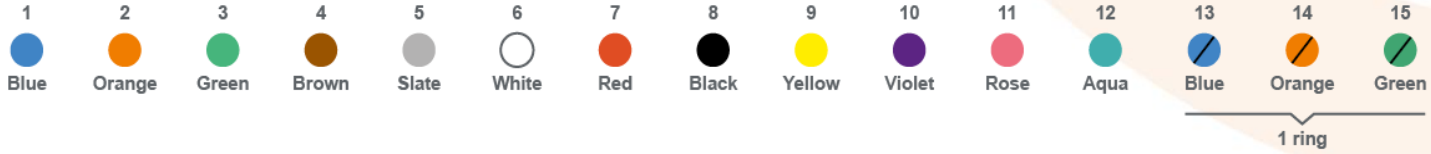
Microducts are tested according to IEC 60794-5	Blowing track: 2000 m Performance confirmed	Em-Liner for Low Friction and best blowing results	UV-Protection up to 2 years in EU	Pressure tight up to 15 bar

Application and Design



Inner surface:
Smooth or ribbed + Em-Liner

Colour identification of single ducts:
Translucent with stripes or uni coloured possible



Other colours upon request

Generic Details: Single Microduct	
Material	Polyethylene HDPE
Outer diameter	10.0 mm
Inner diameter	6.0 mm
Mass, nominal	48 g/m
Min. bending radius of primary duct*	120 mm
Max. pull tension, single duct	400 N (40 kg)
Crush load at 10 % compression	2000 N (200 kg)
Max. Blowing pressure	15 bar

*This radius relates to the m/d capability only, and does not indicate a suitable radius for blowing FU.

1. These m/ds are compatible with designated 10 mm push-fit connectors.
2. Max air pressure for blowing: 15 bar.
3. Storage of unprotected primary microducts: Indoors and well shielded from daylight.

Generic Details: Microduct Bundle	
Material	Polyethylene HDPE
Wall thickness	1.1mm
Number single ducts	2-24

Product-Specific Details				
Type	**Outer Diameter**	**Mass**	**Max. Pull Tension (Installation)**	**Min. Bend Radius**
10/6mm				
2-WAY DBMF	12,2 x 22,2 mm	153 g/m	1,4 kN / 140 kg	200 mm
3-WAY DBMF	23.8 mm	212 g/m	1.9 kN/ 190 kg	350 mm
4-WAY DBMF	26,3 mm	277 g/m	2,5 kN / 250 kg	340 mm
5-WAY DBMF	29,2 mm	343 g/m	3,0 kN / 300 kg	450 mm
6-WAY DBMF	32,2 mm	384 g/m	3,5 kN / 350 kg	550 mm
7-WAY DBMF	32,2 mm	435 g/m	4,0 kN / 400 kg	550 mm
8-WAY DBMF	38,7 mm	463 g/m	4,25 kN / 425 kg	697mm
12-WAY DBMF	42,8 mm	706 g/m	6,5 kN / 650 kg	750 mm
14-WAY DBMF	46,1 mm	817 g/m	7,5 kN / 750 kg	876 mm
19-WAY DBMF	50,3 mm	1024 g/m	9,5 kN / 950 kg	956 mm
24-WAY DBMF	62,2 mm	1154 g/m	10,5 kN / 1050 kg	1080 mm

* After applying pulling tensions, allow time for the pulled product to relax. See Installation manual.

Microduct OD/ID	Design reference
7/4	MHT2309
7/3.5	MHT2309
12/8	MHT1564
14/10	MHT2308
16/12	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		
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
Flexibility	IEC 60794-1-2-Method E11	Procedure to IEC 60794-5

Additional Information

- Emtelle FibreFlow Microducts are compatible with Emtelle 10mm connectors, end caps and gas stops
- Emtelle's Microducts and bundles often exceed IEC60794-5 requirements. If you require precise or higher test results, please contact us for more information
- Bundles on drums are covered with UV-protection foil to ensure 1 year UV-protection plus
- Optionally, the bundles can be supplied with a 0.63mm locating wire (copper, coating 88Ω / km)
- Optionally, the bundles can be manufactured with a thick-walled bundle 2.2mm for higher tensile force and additional protection
- Production with PP sheath possible
- Stripes on the sheath possible
- Customer specific print available
- The sheath can be opened using a suitable sheath removal tool (see installation manual)