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Product Datasheet MHT 2432
Generic Specification DB metal-free (16/12)

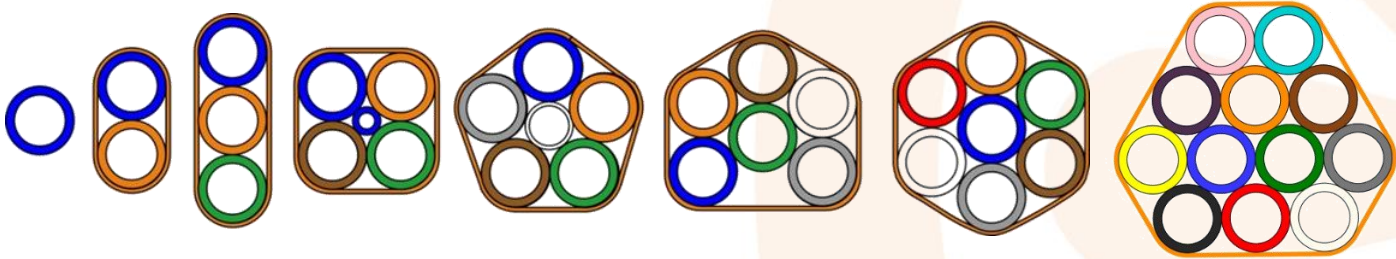


Product Benefits



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
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Application and Design



Inner surface:
 Smooth or ribbed + Em-Liner

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

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

Other colours upon request

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Generic Details: Single Microduct

Material	Polyethylene HDPE
Outer diameter	16.0 mm
Inner diameter	12.0 mm
Mass, nominal	84 g/m
Min. bending radius of primary duct* (warm / cold)	160 mm / 220 mm
Max. pull tension, single duct	1190 N (119 kg)
Max. Blowing pressure	15 bar

*This radius relates to the microduct capability only and does not indicate a good radius for blowing FU.

1. These m/ds are compatible with designated 16 mm push-fit connectors.
2. Max air pressure for blowing: 15 bar.
3. The 5-way has a standard 12/10 m/d in the centre.

Generic Details: Microduct Bundle

Material	Polyethylene HDPE
Wall thickness	1.1 mm
Number single ducts	1-12 (+12 mm central duct)

Product-Specific Details

Type	Outer Diameter	Mass	Max. Pull Tension (Installation)	Min. Bend Radius (Warm / Cold)
16/12mm				
Single	16,0 mm	84 g/m	1.19 kN / 119 kg	160 / 220 mm
2-WAY DBMF	34,2 x 18,2 mm	258 g/m	2.37 kN / 237 kg	180 / 240 mm
3-WAY DBMF	50,2 x 18,2 mm	363 g/m	3.57 kN / 350 kg	180 / 240 mm
4-WAY DBMF	41,5 mm across corners	486 g/m	4.75 kN / 475 kg	570 mm
5-WAY DBMF	46,2 mm across corners	603 g/m	5.95 kN / 595 kg	770 mm
6-WAY DBMF	50,2 mm across corners	663 g/m	7.14 kN / 715 kg	850 mm
7-WAY DBMF	50,2 mm across corners	746 g/m	8.3 kN / 830 kg	850 mm
12-WAY DBMF	67,1 mm	1216 g/m	14.2 kN / 1420 kg	1273 mm

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

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

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

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Operating Parameters

Installation temperature	-10°C...+40°C
Transportation and storage temperature	-30°C...+70°C
Installation + Blowing ideal	+5°C...+20°C
Operating temperature	-10°C...+40°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 16 mm 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)

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