



Product Specification: Indoor Duct Assemblies



Product description

The duct assemblies are available in seven versions with 1 to 24, halogen-free, flame-retardant sub-ducts (1, 4, 7, 12, 19 and 24 sub-duct options). Each micro-duct has an outer/inner diameter of **5/3.5 mm**. The 1-way is available also in a jacketed version.

The duct assemblies are bundled with a single sheath. The design makes the duct assemblies suitable for indoor installations.

A variant which is pre-populated with 2 fibres is also available.

Appropriate fibre types

The micro-ducts are optimized for best performance in combination with the Hexatronic Ribbonet® Air Blown Fiber units. The 5/3.5 mm assemblies will accommodate ABFUs 2F, 4F, 6F, 8F and 12F and Hexatronic Raptor Nano cables 2F, 4F, 6F, 8F, 12F and 24F.

Marking

The assemblies are marked with; micro-duct configuration, Hexatronic, time of manufacturing (year, month, date and hour), product number, arrow marking and length marking. The distance between markings is nominal 1 m.

Marking example: **7x5/3.5MM HEXATRONIC A67 yymmddtt MPB30201 -> xxxxx M**

The individual micro-ducts are numbered.

Ordering Information

type	product number	diameter outer sheath (mm)	weight (g/m)	min bend radius* (mm)	max pulling force**(n)	Microduct colour
1-way	MPB901036/0	5.0	16	50	60	White
1-way	MPB901036/1	6.0	30	60	110	White
1-way, pre populated	MPB901036/1A	6.0	34	60	110	White
4-way	MPB901036/4	12.2x12.2	130	150	400	White
7-way	MPB901036/7	17.2	200	220	600	White
12-way	MPB901036/12	22.9	310	300	950	White
19-way	MPB901036/19	26.9	440	350	1300	White
24-way	MPB901036/24	32.5	590	500	1800	White

* Temporarily, unloaded, permanent (one turn) and during installation. The radius relates to tube capability and does not indicate a suitable radius for blowing** During installation



Typical Data

Temperature range

Operation..... -40 to +60°C
Storage -40 to +60°C
Installation -20 to +50°C

Material

Halogen-free, flame-retardant polyolefine

Tracer

No trace wire

Delivery Information

Supplied lengths1000 m

Conformance

Abrasion IEC 60794-1-2-E2B method 1
Kink..... IEC 60794-1-2-E10, 20 x outer diameter
Impact IEC 60794-1-2-E4
Crush..... IEC 60794-1-2-E3, 450 N
Tensile IEC 60794-1-2-E1
Bend IEC 60794-1-2-E11
Torsion..... IEC 60794-1-2-E7
Flexibility..... IEC 60794-5-20
Flammability IEC60332-3-24, IEC60332-1*
Smoke dens IEC61034-2
Smoke vol. ASTM E662
Acidity/Halogen contents..... IEC60754-1/-2
Toxicity DEFSTAN02713

* Refers to empty ducts or ducts installed with typical versions of air-blown fiber units. For a complete list of all valid combinations of fiber and duct, please contact Hexatronic