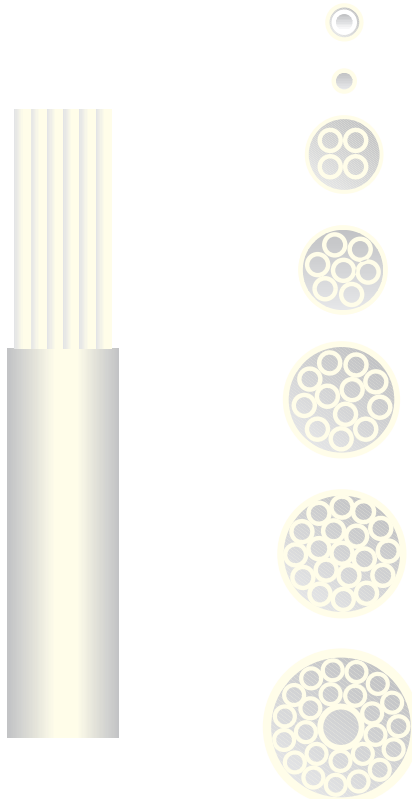


## Indoor Flame Retardant Duct Assemblies – MPB 302 01-7

### Ribbonet® Microducts



### Features

- Halogen-free, flame-retardant
- 1, 4, 7, 12, 19 and 24 sub-duct options
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

### Application

The indoor tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air-blown fiber.

The microducts and duct assemblies are made of halogen-free, flame-retardant polymer. The design makes the ducts suitable for all types of indoor installations. The microducts are optimized for best performance in combination with the Hexatronic Ribbonet® Air Blown Fiber Unit.

### Design

The duct assemblies are available in seven versions with 1 to 24 sub-ducts (microducts). Each microduct has an outer/inner diameter of 5/3.5 mm. The single duct is available in two versions; unsheathed duct for installation into risers or protective cable channels and extra protected duct for mounting onto walls with standard cable clamps (6mm). The flame retardant properties are verified according to all relevant IEC standards.

### Marking

The duct assemblies have markings showing the tube length. The individual microducts are numbered.



## Indoor Flame Retardant Duct Assemblies – MPB 302 01-7

### 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.

### Delivery Information

Supplied lengths ..... 500, 1000, 2000 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 60794-1-2-E8  
 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.

### Ordering Information

Type	Product Number	Diameter Outer Sheath (mm)	Weight (g/m)	Min Bend Radius* (mm)	Max Pulling Force** (N)
1-way, extra protected 	MPB30201/1	6.0	30	60	110
1-way without sheath 	MPB 302 02/1	5.0	16	50	60
4-way 	MPB 302 03/4	12.2x12.2	130	150	400
7-way 	MPB 302 04/7	17.2	200	220	600
12-way 	MPB 302 05/12	22.9	310	300	950
19-way 	MPB 302 06/19	26.9	440	350	1300
24-way 	MPB 302 07/24	32.5	590	500	1800

\* Temporarily, unloaded, permanent (one turn) and during installation

\*\* During installation