

# Microduct Assembly 3/2 mm Indoor – High Grade

FRD 3/2 mm 1-24 -way HG

---

## Features

- For indoor installation
- Small or discrete design
- Minimal cross section minimizes the need of large drilling holes
- 3/2 mm microducts
- Halogen-free, flame-retardant, high grade
- 1, 7, 12 or 24 over-sheathed ducts
- Low friction inner surface for maximum installation lengths

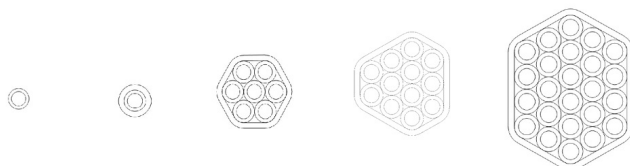
## Application

This series of duct assemblies consist of ultra slim Microducts (3 mm) made of halogen free, flame retardant material. The slim design enables installation virtually in any existing risers in Multi Dwelling Units. The assemblies consist of a number of Microducts with an inner low friction, antistatic surface that enables installation of air blown fibers.

## Design

The duct assemblies are available in several versions from 1 to 24 microducts . Each microduct has an outer/inner diameter of 3/2.1 mm. The microducts and duct assemblies including the outer sheath are made of halogen-free, flame-retardant polymer. One unsheathed single duct version for minimal cross section is available for installation in existing external protective microducts or sheaths.

## Product Information



**Microducts and sheath:** Halogen-free, flame-retardant polyolefin

## Technical Information

**Lämpötila, käyttö [°C]** -20 to +60

**Lämpötila, varastointi [°C]** -20 to +60

**Lämpötila, asennus [°C]** -20 to +50

**Vaatimustenmukaisuus**

**Abrasion:** IEC 60794-1-2-E2B(1)  
**Kink:** IEC 60794-1-2-E10, 20 x outer diameter  
**Impact:** IEC 60794-1-2-E4  
**Crush:** IEC 60794-1-2-E3  
**Tensile:** IEC 60794-1-2-E  
**Bend:** IEC 60794-1-2-E11A  
**Torsion:** IEC 60794-1-2-E  
**Flexibility:** IEC 60794-1-2-E8  
**Inner Clearance:** IEC 60794-5-20, IEC 60794-5-10, Ann. D  
**Flammability:** IEC60332-3-24, IEC60332-1  
**Halogen Content:** IEC 60754-1, 0%  
**Toxicity index:** DEFSTAN 02-713, Pass

**Merkintä**

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

**Asennustiedot**

Flammability according to IEC60332-3-24 refers to sheathed empty ducts and sheathed ducts installed with typical versions of Hexatronic blown fiber units. 1-way unsheathed duct MPB30246/01 excluded. The unsheathed duct shall be installed in flame resistant protective cover for best fire performance.

**Articles 8**

Article name	Väri	Asettelu	Talvutussäde [mm]	Vetolujuuus [N]	Puristuslujuus [N/100 mm]	Isku [J]	Mitat [mm]	Paino [kg/km]	Pituus [m]
<b>Microduct 1x3/2.1 ID High Grade</b> MPB30246/1CX	White	1x3/2.1	65	100	750	0.4	5.2	27	1000/, 500/K4
<b>Microduct 1x3/2.1 ID High Grade</b> MPB30246/1	White	1x3/2.1	65	100	750	0.4	5.2	27	1000/, 500/K4
<b>Microduct 7x3/2.1 ID High Grade</b> MPB30246/7CX	White	7x3/2.1	125	300	1000	1.6	11.2	84	500/K6
<b>Microduct 7x3/2.1 ID High Grade</b> MPB30246/7	White	7x3/2.1	125	300	1000	1.6	11.2	84	500/K6
<b>Microduct 12x3/2.1 ID High Grade</b> MPB30246/12CX	White	12x3/2.1	150	500	–	–	14.2	131	1000/, 500/K7
<b>Microduct 12x3/2.1 ID High Grade</b> MPB30246/12	White	12x3/2.1	150	500	–	–	14.2	131	1000/, 500/K7
<b>Microduct 24x3/2.1 ID High Grade</b> MPB30246/24CX	White	24x3/2.1	200	800	1400	2.5	20.2 × 15.8	219	1000/, 500/K10

Article name	Väri	Asettelu	Taiutusaste [mm]	Vetolujuus, asennettaessa [N]	Puristuslujuus [N/100 mm]	Isku [J]	Mitat [mm]	Paino [kg/km]	Pituus [m]
Microduct 24x3/2.1 ID High Grade MPB30246/24	White	24x3/2.1	200	800	1400	2.5	20.2 × 15.8	219	1000/ 500/K10