



# Microduct Assembly 10/8 mm Indoor

**FRD 10/8 mm 1-7 -way**

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## Features

- For indoor installation
- 10/8 mm microducts
- Halogen-free, flame-retardant
- 1, 4 or 7 mm over-sheathed ducts
- Low friction inner surface for maximum installation lengths

## Application

The design makes the ducts suitable for all types of indoor installations with micro cables. A typical application is an Hexatronic micro cable system where cables are entering or passing through buildings. The duct is designed to reduce flame and smoke propagation of both outdoor and indoor rated micro cables. The need for costly cable splicing between indoor and outdoor rated cable sections is then eliminated.

## Design

The duct assemblies are available in several versions from 1 to 7 microducts. Each microduct has an outer/inner diameter of 10/8 mm. The microducts and duct assemblies including the outer sheath are made of halogen-free, flame-retardant polymer.

## Product Information



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

## Technical Information

<b>Temperature, Operation [°C]</b>	-20 to +60
<b>Temperature, Storage [°C]</b>	-20 to +60
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>Reaction to Fire</b>	IEC60332-1
<b>Conformance</b>	<p><b>Abrasion:</b> IEC 60794-1-2-E2B(1)</p> <p><b>Kink:</b> IEC 60794-1-2-E10, 20 x outer diameter</p> <p><b>Impact:</b> IEC 60794-1-2-E4</p> <p><b>Crush:</b> IEC 60794-1-2-E3</p> <p><b>Tensile:</b> IEC 60794-1-2-E</p> <p><b>Bend:</b> IEC 60794-1-2-E11A</p> <p><b>Torsion:</b> IEC 60794-1-2-E</p> <p><b>Flexibility:</b> IEC 60794-1-2-E8</p> <p><b>Inner Clearance:</b> IEC 60794-5-20, IEC 60794-5-10, Ann. D</p> <p><b>Flammability:</b> IEC60332-1</p>

**Marking**

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

**Installation Notes**

Refers to empty ducts or ducts installed with Hexatronic micro cable. For a complete list of all valid combinations of cables and duct, please contact Hexatronic. Note that flammability rating cannot be guaranteed for other vendors cables.

**Articles 3**

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Dimensions [mm]	Weight [kg/km]	Length [m]
<b>Microduct 1x10/8 ID Std Grade</b> MPB30271/1	White	1x10/8	150	250	11.2	75	2000/K11, 1000/K10
<b>Microduct 4x10/8 ID HGrade</b> MPB30271/4	White	4x10/8	250	1040	27.5	345	1000/K18, 500/K12, 2000/K22
<b>Microduct 7x10/8 ID HGrade</b> MPB30271/7	White	7x10/8	400	1590	33.4	477	500/K14, 1000/K20, 2000/K24