

Micronet Indoor Flame Retardant Duct – MPB 302 71, 73

Microducts for Micro Cable Installations



Features

- 10/8 mm and 12/10 mm microduct system
- Halogen-free, flame-retardant
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

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 without violating fire resistance.

Design

The microduct is made of polyethylene and is covered with a layer of halogen-free, flame-retardant polymer. The 10/8 mm and 12/10 mm duct assemblies are available as single-duct, 4 and 7 multi-ducts. The flame retardant properties are verified according.

Marking

Duct assemblies have markings showing the tube length.



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Typical Data

Temperature range

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

Material

Microduct Polyethylene
 Sheath Halogen-free, flame-retardant polyolefine

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
 Bend IEC 60794-1-2-E11
 Flexibility IEC 60794-1-2-E8
 Apparatus IEC60332-1-1
 Flammability IEC60332-1-2

Delivery Information

Supplied lengths 500 m and 1000 m

* 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.

Ordering Information

Type	Product Number	Outer/Inner Diameter Microduct (mm)	Diameter Outer Sheath (mm)	Weight (g/m)	Min Bend Radius* (mm)	Max Pulling Force** (n)	Sheath Color
	MPB 302 71/1	10/8	11.8 ±0.2	75	250	420	White
	MPB 302 73/1	12/10	14.0 ±0.2	97	250	500	White
	MPB 302 71/4	10/8	27.5 ±0.7	345	500	1200	White
	MPB 302 73/4	12/10	33.0 ±0.7	475	650	1750	White
	MPB 302 71/7	10/8	33.4 ±0.7	477	600	1500	White
	MPB 302 73/7	12/10	41.0 ±0.7	473	700	2700	White

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

** During installation