

Indoor Duct 3 mm, High Grade – MPB 302 46+



Features

- Small and discrete design, installs in most existing narrow paths
- Minimal cross section minimizes the need of large drilling holes
- Halogen-free, flame-retardant, high grade
- 1, 4, 7, 12 and 24 sub-duct options
- Low friction allows installation up to 600 m

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 Fiber for short to medium distances (typical max distance 600m for 1-6f ABF, 300m for 8-12f ABF). The Microducts are optimized for best performance in combination with the Hexatronic Stingray Air-Blown Fiber units.

Design

The duct assemblies are available in several versions from 1 to 24 sub-ducts (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 ducts or sheaths.

Marking

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



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Typical Data

Temperature range
 Operation-20 to +60°C
 Storage-20 to +60°C
 Installation-20 to +50°C

Material

Microducts and sheath.....Halogen-free, flame-
retardant polyolefin

Delivery Information

Supplied lengths.....500, 1000 m

Conformance

Abrasion.....IEC 60794-1-2-E2B method 1
 Kink.....IEC 60794-1-2-E10, 20 x outer diameter
 ImpactIEC 60794-1-2-E4
 Crush.....IEC 60794-1-2-E3, 450 N
 BendIEC 60794-1-2-E11A
 Torsion.....IEC 60794-1-2-E7
 FlexibilityIEC 60794-1-2-5-20
 FlammabilityIEC60332-3-24, IEC60332-1
 Smoke densityIEC61034-2

Ordering Information

Type	Product Number	Diameter Outer Sheath (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Pulling Force (N)
1-way unsheathed 	MPB 302 46/01	3 mm	5,6	40	50
1-way, extra protected 	MPB 302 46/1	5,4 mm	14	50	150
4-way 	MPB 302 46/4	7,4 mm	60	70	300
7-way 	MPB 302 46/7	11 mm	77	100	370
12-way 	MPB 302 46/12	14 x 12,9 mm	90	150	700
24-way 	MPB 302 46/24	15,6x19,1 mm	185	300	900

other accessories	product number
Connector straight 3 mm	MPB30601/3
Connector adapter 3 to 5 mm	MPB30603/3
Gas/water block end connector	MPB30602/3
100 x End sleeve for 3 mm Microduct	SRS10617/062
100 x End sleeve for 10-16 mm 7, 12 and 24 duct assemblies	SRS10617/1
4 x 3mm Duct holder NCD518 FAT	SXA1139515/1
4 x 3mm Duct holder FDH64/FAT96	SXA1139517/1