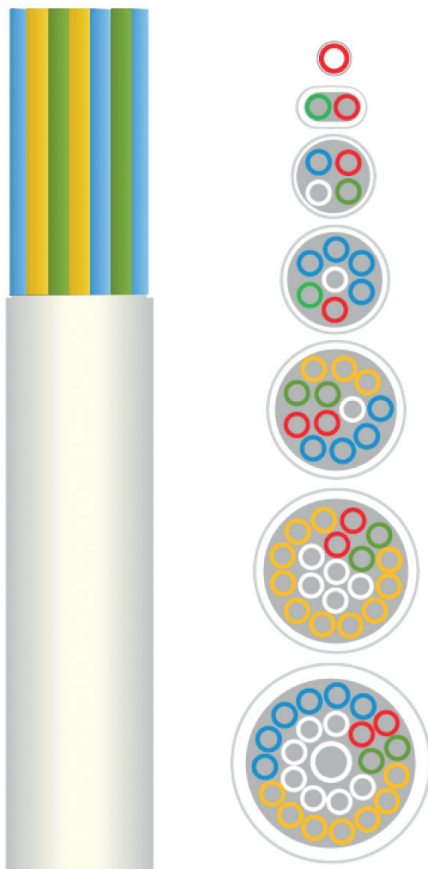


Indoor Duct Assemblies, Standard Grade – MPB 302 09+

Ribbonet® Microducts



Features

- Halogen-free, flame-retardant
- 1, 2, 4, 7, 12, 19 and 24 sub-duct options
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

Application

The series MPB 302 09+ are indoor tight protected duct assemblies where moderate requirements on flame propagation according to IEC 60332-1 are required.

The 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 polymer. The outer sheath is of flame-retardant material. The microducts are optimized for best performance in combination with the Hexatronic Ribbonet® Enhanced Performance Fiber Unit (EPFU).

The ducts are designed for various indoor applications and designed to meet the requirements in IEC60332-1. For other types of ducts, see separate product information*

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.

Marking

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

* For indoor ducts specified according to IEC60332-3-24, see product information 28701-MPB3020+. For indoor ducts specified according to UL 1666 Riser Cable Flame Test, OFNR, see product information 28701-MPB30208+.



Indoor Duct Assemblies, Standard Grade – MPB 302 09

Typical Data

Temperature range

Operation..... –20 to +60°C
 Storage..... –20 to +60°C
 Installation..... –20 to +50°C

Material

Microducts..... Halogen-free HDPE
 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-E11A
 Torsion..... IEC 60794-1-2-E7
 Flexibility..... IEC 60794-1-2-5-20
 Flammability..... IEC60332-1-2

Delivery Information

Supplied lengths..... 500, 1000, 2000 m

Ordering Information

TYPE	PRODUCT NUMBER	DIAMETER OUTER SHEATH (MM)	WEIGHT (G/M)	MIN BEND RADIUS* (MM)	MAX PULLING FORCE** (N)
1-way, extra protected 	MPB 302 51/1	8.0	60	50	400
2-way 	MPB 302 09/2	12.2x7.2	90	50	250
4-way 	MPB 302 09/4	12.2x12.2	120	200	400
7-way 	MPB 302 09/7	17.2	160	240	600
12-way 	MPB 302 09/12	22.5	240	310	1000
19-way 	MPB 302 09/19	26.5	330	360	1700
24-way 	MPB 302 09/24	32.2	440	500	2100

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

** During installation