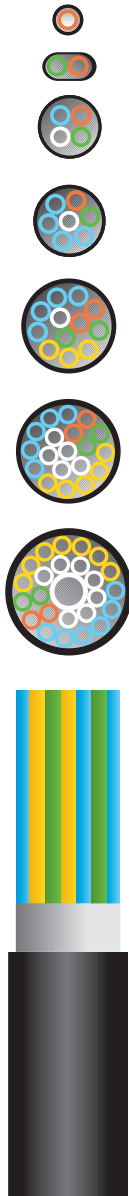


Direct Install Duct Assemblies – MPB 302 1+

Ribbonet® Microducts



Features

- Heavy-duty design
- 1, 2, 4, 7, 12, 19 and 24 sub-duct options
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

Application

The tight protected duct assemblies consist of a number of microducts with an inner low friction, antistatic surface that enables installation of air blown fiber.

The duct assemblies are bundled with a single HDPE sheath and a moisture barrier made of aluminum. The design makes the duct assemblies suitable for installation into existing pipes or other protected outdoor environments. The round structure enables easy splicing and sealing at joints and branch locations. The microducts are optimized for best performance in combination with the Hexatronic Ribbonet® Air Blown Fiber units.

The duct assemblies are available in seven versions with 1 to 24 sub-ducts. Each microduct has an outer/inner diameter of 5/3.5 mm.

Marking

The duct assemblies have markings showing the tube length. The individual microducts are numbered and also identified by their color and position in the bundle.



Direct Install Duct Assemblies – MPB 302 1+

Typical Data

Temperature range

Operation..... –40 to +60°C

Storage..... –40 to +60°C

Installation..... –20 to +50°C

Material

Microducts and Sheath ... HDPE

All materials are halogen-free

Delivery Information

Supplied lengths 500, 1000, 2000, 4000*m

* 24-way assembly, max 2000 m

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








Tensile..... IEC 60794-1-2-E1

Bend IEC 60794-1-2-E11

Torsion..... IEC 60794-1-2-E7

Flexibility..... IEC 60794-1-2-E8

Ordering Information

TYPE	PRODUCT NUMBER	DIAMETER OUTER SHEATH (MM)	WEIGHT (G/M)	MIN BEND RADIUS* (MM)	MAX PULLING FORCE** (N)	MICRODUCT COLORS
1-way 	MPB 302 10/1	8.8	60	120	150	Red
2-way 	MPB 302 11/2	13.8x8.8	90	120	250	Red, Green
4-way 	MPB 302 12/4	14.9	120	200	400	Red, Green, Blue White
7-way 	MPB 302 13/7	17.8	160	240	600	Red, Green, Blue White
12-way 	MPB 302 14/12	22.9	240	310	1000	Red, Green, Blue White
19-way 	MPB 302 15/19	27.1	330	360	1700	Red, Green, Blue White
24-way 	MPB 302 16/24	32.8	440	500	2100	Red, Green, Blue White

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

** During installation