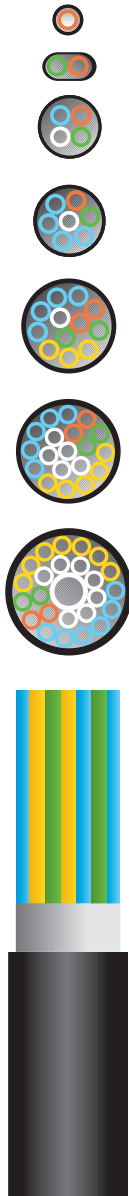


Direct Install Duct Assemblies, Dielectric – MPB 302 45

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 PP sheath. 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, Dielectric – MPB 302 45

Typical Data

Temperature range

Operation..... –40 to +60°C
 Storage..... –40 to +60°C
 Installation..... –20 to +50°C

Material

Microducts..... HDPE
 Sheath..... Polypropylene, HDPE*
 All materials are halogen-free

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 60794-5-20








Delivery Information

Supplied lengths..... 500, 1000, 2000, 4000**m

* 1-way duct: HDPE; 2-24-way duct: PP

** 24-way assembly, max 2000 m

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 45/1	7.2	60	120	150	Red
2-way 	MPB 302 45/2	12.4x7.4	90	170	250	Red Green
4-way 	MPB 302 45/4	14.9	120	190	400	Red Green Blue White
7-way 	MPB 302 45/7	17.8	160	220	600	Red Green Blue White
12-way 	MPB 302 45/12	23.1	240	290	1000	Red Green Blue White
19-way 	MPB 302 45/19	27.5	330	320	1700	Red Green Blue White
24-way 	MPB 302 45/24	33.2	440	380	2100	Red Green Blue White

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

** During installation