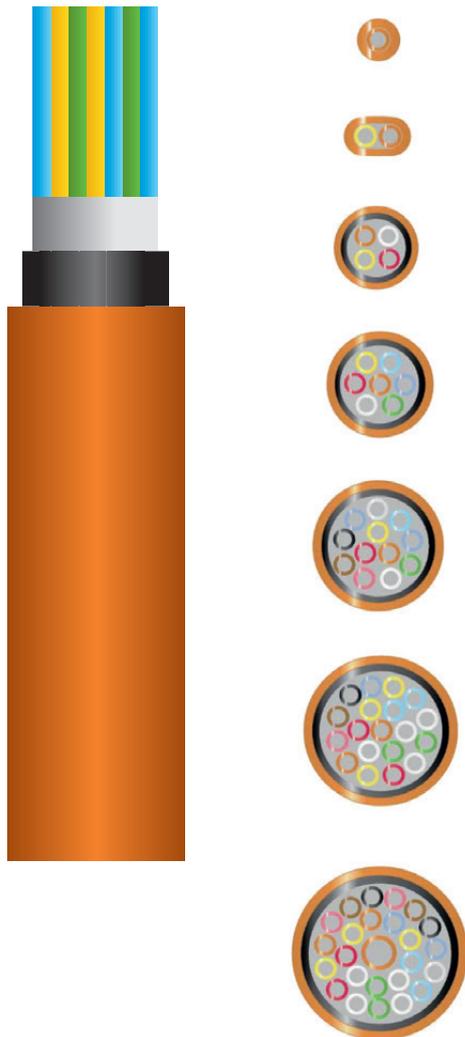


Direct Bury Duct Assembly, Dielectric – 302 44

For the Hexatronic Air Blown Fiber System



Features

- Heavy-duty design
- Dielectric
- 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 micro ducts with an inner low friction, antistatic surface that enables installation of air blown fiber.

The duct assemblies are bundled with a single or dual HDPE sheath depending on configuration. The design makes the ducts suitable for installation directly into the ground. The round structure enables easy splicing and sealing at joints and branch locations. The micro ducts are optimized for best performance in combination with the Hexatronic Stingray Air Blown Fiber Unit and Nano Cable.

Design

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

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 Bury Duct Assemblies, MPB 302 3+

Typical Data

Temperature range

Operation-40 to +60°C

Storage-40 to +60°C

Installation-20 to +50°C

Material

Microducts and outer sheath: HDPE

Inner sheath: PP (1 and 2-way), HDPE (4-24-way)

Delivery Information

Supplied lengths500, 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 44/1M	10,0	65	120	150	Orange
2-way 	MPB 302 44/2M	15,0x10,0	95	170	200	Orange, Yellow
4-way 	MPB 302 44/4M	19,3	230	190	450	Orange, Yellow, Red, White
7-way 	MPB 302 44/7M	22,2	290	220	750	Orange, Yellow, Red, White, Green, Violet
12-way 	MPB 302 44/12M	28,8	380	290	1200	Orange, Yellow, Red, White, Green, Violet, Blue, Grey, Turquoise, Black, Brown, Pink
19-way 	MPB 302 44/19M	32,1	550	320	1900	Orange, Yellow, Red, White, Green, Violet, Blue, Grey, Turquoise, Black, Brown, Pink, (repeated with line marking)
24-way 	MPB 302 44/24M	38,0	690	380	2400	Orange, Yellow, Red, White, Green, Violet, Blue, Grey, Turquoise, Black, Brown, Pink, (repeated with line marking)

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

** During installation