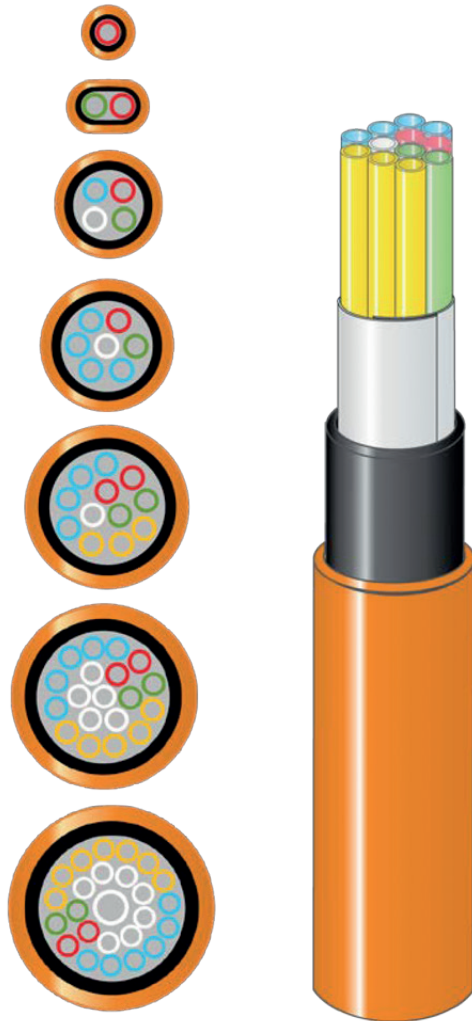


## Direct Bury Duct Assemblies, MPB 302 3+

### 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 dual sheath and a moisture barrier made of aluminum. The design makes the ducts suitable for installation directly into the ground in environments where the duct is constantly exposed to water or for areas with ground frost. 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® Enhanced Performance Fiber Unit (EPFU).

#### 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

Micro ducts and outer sheath ..... HDPE  
 Inner sheath ..... LLDPE  
 All materials are halogen-free

### Configurations

Actual cross sections are shown to the right. For more information, see the ordering information table.

### 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 30/1	12.2	110	120	200	Red
2-way 	MPB 302 31/2	17.2x12.2	160	170	300	Red, Green
4-way 	MPB 302 32/4	19.3	230	190	600	Red, Green, Blue White
7-way 	MPB 302 33/7	22.2	290	220	1000	Red, Green, Blue White
12-way 	MPB 302 34/12	28.8	380	290	1800	Red, Green, Blue White
19-way 	MPB 302 35/19	32.1	550	320	2800	Red, Green, Blue White
24-way 	MPB 302 36/24	38.0	710	380	3600	Red, Green, Blue White

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

\*\* During installation