



## Product Specification: Direct Install Duct Assemblies



### Product description

The duct assemblies are available in four versions with 1 to 26 PE sub-ducts (1, 4, 7, 10, 12 and 24 sub-duct options). Each micro duct has an outer/inner diameter of 5/3.5 mm.

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.

### Appropriate fibre types

The micro ducts are optimized for best performance in combination with the Hexatronic Ribbonet® Air Blown Fiber units. The 5/3.5 mm assemblies will accommodate ABFUs 2F, 4F, 6F, 8F and 12F and Hexatronic Raptor Nano cables 2F, 4F, 6F, 8F, 12F and 24F.

### Marking

The assemblies are marked with; micro duct configuration, Hexatronic, time of manufacturing (year, month, date and hour), product number, arrow marking and length marking. The distance between markings is nominal 1 m.

Marking example: *7x12/10MM HEXATRONIC A35 yymmddtt MPB30272/7 -> xxxxx M*

The individual micro ducts are numbered and identified by their color and position in the bundle.

### Ordering Information

type	product number	diameter outer sheath (mm)	weight (g/m)	min bend radius* (mm)	max pulling force**(n)	
1-way	MPB30210/1	8.8	44	110	400	Red
4-way	MPB 302 45/4L	14.9	110	150	900	Red, Blue, Green, White
7-way	MPB 302 45/7L	18.2	160	180	1400	Red, Blue, Green, White
10-way	MPB 302 45/10L	25.6	260	260	2400	White, Green, Red
12-way	MPB 302 45/12L	23.1	240	230	2200	Red, Blue, Green, White, Yellow
26-way	MPB 302 45/26L	35.8	470	360	2700	Red, Blue, Green, White, Yellow

\* Temporarily, unloaded, permanent (one turn) and during installation. The radius relates to tube capability and does not indicate a suitable radius for blowing

\*\* During installation

# HEXATRONIC



Ribbonet® Microducts, MPB30245

## 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

## Tracer

Yes

## Delivery Information

Supplied lengths ..... 1000 m

## UV Stability

The PP-sheath is colored black and is light-stabilised.

## Examples of Protected Outdoor Installation

