



# HexaSpeed DN 7 – 20 direct burial

**HexaSpeed microducts for the installation of fiber optic cables with longitudinal inner grooving for high blow-in lengths.**

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## Features

- For blowing in fibre optic cables or blown fibers
- Interior grooving for optimum blow-in results and tight tolerances for perfect blow-in performance
- 100 % quality control, including pressure test and continuity test
- Maximum blow-in-pressure: 16 bar
- Fulfilment of the specifications of large telecommunication companies like Deutsche Telekom and Vodafone

## Application

The thick-walled microducts are made for the direct installation to the ground. A sand bedding according to the installation guideline is necessary. The minimum bending radius shall be 20 x OD.

## Technical Information

<b>Product Color</b>	The colour of the micro ducts is translucent to identify occupation. The microducts are marked with two co-extruded, opposing colour stripes. Each microduct can be clearly allocated to a building during the subsequent installation.
<b>Color Code</b>	DIN0888
<b>Temperature, Operation [°C]</b>	-40 to +60
<b>Temperature, Storage [°C]</b>	-20 to +60
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>Conformance</b>	<ul style="list-style-type: none"> <li>▪ Material: PE-HD according to DIN 16874</li> <li>▪ Tolerances: outer diameter: + 0,1 mm / wall thickness: + 0,1 mm</li> <li>▪ Internal pressure creep rupture test: 170 h / 80 °C / 4.0 MPa</li> <li>▪ UV-resistant minimum three years Central European climate according to EN ISO 4892-2</li> <li>▪ Tested according to IEC 60794-1-2</li> <li>▪ Apex pressure resistance (at 20 °C) : &gt; 1.700 N (varies depending on dimension)</li> <li>▪ Burst pressure &gt; 40 bar</li> </ul>

## Marking

The identification of microducts is carried out using permanent, abrasion-resistant inkjet-printing with a 1 m spacing with the following information:

- Manufacturer and product name
- Material
- Dimension
- Production date
- Shift
- Machine
- Meterage

Example:

HEXATRONIC HexaSpeed PE-HD 7x1,5 "DD.MM.YYYY" "S"  
"M" "000m"

## Ordering Information

Delivery lengths according to the article specification or according to customer requirements.

Drum properties (diameter [mm] x width [mm] x core [mm] / empty weight [kg]):

- 7 mm: 700 x 364 x 464 / 13
- 10 mm - 16 mm: 1200 x 370 x 464 / 20
- 20 mm: 1200 x 530 x 800 / 22

## Articles 6

Article name	Color	Layout	Tensile Force, Installation [N]	Diameter Ø [mm]	Weight [kg/km]	Length [m]
<b>Microduct 7/4 red</b> MPB40101/TTAABS1	Red	7/4	250	7	25	1250
<b>Microduct 10/6 red</b> MPB40203/TTAACS1	Red	10/6	500	10	48	3000
<b>Microduct 12/8 red</b> MPB40302/TTAACS1	Red	12/8	600	12	58	2000
<b>Microduct 14/10 red</b> MPB40404/TTAACS1	Red	14/10	750	14	72	1500
<b>Microduct 16/12 red</b> MPB40502/TTAACS1	Red	16/12	850	16	87	1200
<b>Microduct 20/15 red</b> MPB40601/TTAADS1	Red	20/15	1350	20	129	600