



## Direct bury microduct, 7/3.5mm, UV stable

### Application

The thick walled microducts are designed with an inner low friction surface that enables installation of air-blown fiber units or nano cables.

The thick inner wall of the microducts allow for installation directly into the ground without the need for additional protection.

Due to the enhanced UV protection, the duct can also be installed above ground.

### Features

- Robust design for direct buried installation
- Suitable for single tube installation or looming
- Low friction inner surface for maximum installation lengths
- High quality HDPE material with excellent ESCR properties
- Excellent environmental properties

### Material

All tubes are made of a high quality and strong HDPE material which makes the products suitable for direct buried applications.

The HDPE material meets the >500h ESCR requirement of ASTM 1693 cond B.

### Markings

Tubes are marked according to CityFibre requirements.



Generic microduct image detailing  
CF specific print legend

## Typical Data

Temperature range:

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

Material: HDPE

Deliver Information: K4 drum, 500m

Quality Control:

All tubes are tested with a ball with a diameter of 85% the normal inner diameter.

All tubes are pressure tested at 15bar for 10 mins.

The tube production lines have a on-line system for controlling the inner and outer diameter continuously.

Sheath Marking:

The sheath is marked once a meter with the following information.

CityFibre [www.cityfibre.com](http://www.cityfibre.com) Hexatronic xxxx m

## Conformance

The products conform to IEC 60794-5-10 and IEC 60794-5-20 where applicable. Test are performed according to IEC series 60794-1-2.

Test method	7/3.5	14/10	20/16	25/20
<b>Microduct route verification test IEC 60794-1-21, Method</b>	Pass	Pass	Pass	Pass
Kink IEC 60794-1-2-E10	Pass	Pass	Pass	Pass
Impact IEC 60794-1 2-E4	3J	8J	15J	20J
Crush IEC 60794-1-2-E3A	4kN	2kN	1.5kN	2.0kN
Bend IEC 60794-1 2-E11	Pass	Pass	Pass	Pass
Torsion IEC 60794-1 2-E7	Pass	Pass	Pass	Pass
Repeated bend IEC 60794-1 2	Pass	Pass	Pass	Pass
ASTM 1693 cond B (50%)	>500h	>500h	>500h	>500h

## Ordering Information

Part number	Description	Colour
CFNB-MPB30284/BK1AG-2	Thick Wall Duct 7/3.5mm Black 500m CFNB	Black