Direct Buried for Air Blown Installation

7/3.5, 14/10, 20/16 and 20/20

Application

The blown fibre tubes are used throughout the CityFibre core, distribution and drop networks. All sizes can be used in a ingle tube configurations or in looms. 7mm tubes have a smooth inside surface with low friction and antistatic properties that enable long distance blowing of Hexatronic Stingray or Raptor fibre products.

14, 20 and 25mm tubes all have a ribbed, low-friction inner surface optimized for long distance blowing of the Hexatronic Viper range of microduct cables.

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.

#exatronic

Typical Data

Temperature range:

Operation…………………………….....40 to +60ºC

Storage…………….……………………40 to +60ºC

Installation……………………………...…20 to +50ºC

Material:

All tubes, main material HDPE, high stress crack performance.

All tubes inside surface low friction liner, 14, 20 and 25mm tubes feature a ribbed inside surface.

All materials are halogen-free.

The tubes have a UV protection corresponding to a minimum outdoor storage of 12 months.

Deliver Information:

Standard supplied lengths 500m, 1000m, other lengths available on request.

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 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
Microduct route verification test IEC 60794-1-21, Method	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 Code
CFNB-6/MPB30214/12AL	CFNB - Duct - 12x5/3.5mm - DI AL - TIA598 - Violet - 500m	Violet
CFNB-7/MPB30214/12AL	CFNB - Duct - 12x5/3.5mm - TIA598 - Violet - 2000m	Violet
CFNB-7/MPB30213/7AL	CFNB - Duct - 7x5/3.5mm - TIA598 - Violet - 500m	Violet
CFNB-7/MPB30212/4AL	CFNB - Duct - 4x5/3.5mm - TIA598 - Violet - 500m	Violet
CFNB-MPB30221/VT1AG-1	CFNB - Duct - 25/20mm - Violet - 1000m	Violet
CFNB-MPB30258/VT1AL-1	CFNB - Duct - 20/16mm - Violet - 1000m	Violet
CFNB-MPB30285/VT1AG-1	CFNB - Duct - 14/10mm - Violet - 1000m	Violet
CFNB-MPB30285/BK1AG-2	CFNB - Duct - 14/10mm - Black - 500m	Black
CFNB-MPB30284/VT1AL-2	CFNB - Duct - 7/3.5mm - Violet - 500m	Violet
CFNB-MPB30284/BK1AG-2	CFNB - Duct - 7/3.5mm - Black - 1000m	Black
CFSDU-MPB30284/BN1-2	CFSDU - Duct - 7/3.5mm - Brown - 500m	Brown
CFSDU-MPB30284/VT1AL-2	CFSDU - Duct - 7/3.5mm - Violet - 500m	Violet
CFMDU-MPB30284/BLK-2	CFMDU - Duct - 7/3.5mm - Black - 500m	Black
CFMDU-MPB30284/BN1-2	CFMDU - Duct - 7/3.5mm - Brown - 500m	Brown
CFMDU-MPB30284/VT1AL-2	CFMDU - Duct - 7/3.5mm - Violet - 500m	Violet
CFMDU-MPB30221/VT1AG-1	CFMDU - Duct - 25/20mm - Violet - 1000m	Violet
CFMDU-MPB30258/VT1AL-1	CFMDU - Duct - 20/16mm - Violet - 1000m	Violet
CFMDU-MPB30285/BK1AG-2	CFMDU - Duct - 14/10mm - Black - 500m	Black
CFMDU-MPB30285/VT1AG-1	CFMDU - Duct - 14/10mm - Violet - 1000m	Violet
CFMDU-7/MPB30213/7AL	CFMDU - Duct - 7x5/3.5mm - TIA598 - Violet - 500m	Violet

Ordering Information

Part number	Description
CFSDU-MPB30284/VT1AL-2	CFSDU - Duct - 7/3.5mm - Violet - 500m